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## Smad-dependent and Smad-independent pathways in TGF-beta family signalling

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2257	Photopheresis: clinical applications and mechanism of action. <b>1999</b> , 4, 85-90		106
2256	Arkadia amplifies TGF-beta superfamily signalling through degradation of Smad7. <b>2003</b> , 22, 6458-70		174
2255	Ecsit-ement on the crossroads of Toll and BMP signal transduction. <b>2003</b> , 17, 2855-9		29
2254	Epithelial-mesenchymal transition and its implications for fibrosis. <b>2003</b> , 112, 1776-1784		1713
2253	Integration of Smad and MAPK pathways: a link and a linker revisited. <b>2003</b> , 17, 2993-7		176
2252	[Transforming growth factor-beta as a therapeutic target]. <b>2004</b> , 46, 341-50		6
2251	. <b>2004</b> ,		3
2250	Activin regulation of the follicle-stimulating hormone beta-subunit gene involves Smads and the TALE homeodomain proteins Pbx1 and Prep1. <b>2004</b> , 18, 1158-70		85
2249	Regulation of gonadotropins by inhibin and activin. <b>2004</b> , 22, 253-67		109
2248	Idiopathic pulmonary fibrosis: emerging concepts on pharmacotherapy. <b>2004</b> , 5, 1671-86		33
2247	Loss of Smad3 in acute T-cell lymphoblastic leukemia. <b>2004</b> , 351, 552-9		130
2246	Development and possible clinical use of antagonists for PDGF and TGF-beta. <b>2004</b> , 109, 165-78		17
2245	In vivo convergence of BMP and MAPK signaling pathways: impact of differential Smad1 phosphorylation on development and homeostasis. <b>2004</b> , 18, 1482-94		132
2244	Roles for the MH2 domain of Smad7 in the specific inhibition of transforming growth factor-beta superfamily signaling. <b>2004</b> , 279, 31568-74		48
2243	Signaling through BMP type 1 receptors is required for development of interneuron cell types in the dorsal spinal cord. <b>2004</b> , 131, 5393-403		124
2242	A critical role of tropomyosins in TGF-beta regulation of the actin cytoskeleton and cell motility in epithelial cells. <b>2004</b> , 15, 4682-94		119

2241	Spatio-temporal activation of Smad1 and Smad5 in vivo: monitoring transcriptional activity of Smad proteins. <b>2004</b> , 117, 4653-63	77
2240	Id2 and Id3 define the potency of cell proliferation and differentiation responses to transforming growth factor beta and bone morphogenetic protein. <b>2004</b> , 24, 4241-54	288
2239	Independent roles of the dachshund and eyes absent genes in BMP signaling, axon pathfinding and neuronal specification. <b>2004</b> , 131, 5837-48	51
2238	Smad3 knockout mice exhibit a resistance to skin chemical carcinogenesis. <b>2004</b> , 64, 7836-45	71
2237	Ubiquitination and proteolysis of cancer-derived Smad4 mutants by SCFSkp2. <b>2004</b> , 24, 7524-37	75
2236	Transforming growth factor beta receptor I kinase inhibitor down-regulates cytokine secretion and multiple myeloma cell growth in the bone marrow microenvironment. <b>2004</b> , 10, 7540-6	93
2235	Cellular mechanisms and modulation of activin A- and transforming growth factor beta-mediated differentiation in cultured hen granulosa cells. <b>2004</b> , 71, 1844-51	39
2234	TGF-beta regulation of human macrophage scavenger receptor CD163 is Smad3-dependent. <b>2004</b> , 76, 500-8	34
2233	TGF-beta: the perpetrator of immune suppression by regulatory T cells and suicidal T cells. <b>2004</b> , 76, 15-24	130
2232	Nodal induces apoptosis and inhibits proliferation in human epithelial ovarian cancer cells via activin receptor-like kinase 7. <b>2004</b> , 89, 5523-34	65
2231	Cardiac outflow tract defects in mice lacking ALK2 in neural crest cells. <b>2004</b> , 131, 3481-90	158
2230	Differential requirements for Smad4 in TGFbeta-dependent patterning of the early mouse embryo. <b>2004</b> , 131, 3501-12	170
2229	The Kindler syndrome protein is regulated by transforming growth factor-beta and involved in integrin-mediated adhesion. <b>2004</b> , 279, 6824-33	126
2228	Nodal and ALK7 inhibit proliferation and induce apoptosis in human trophoblast cells. <b>2004</b> , 279, 31277-86	87
2227	In the absence of type III receptor, the transforming growth factor (TGF)-beta type II-B receptor requires the type I receptor to bind TGF-beta2. <b>2004</b> , 279, 22765-72	49
2226	Autocrine and exogenous transforming growth factor beta control cell cycle inhibition through pathways with different sensitivity. <b>2004</b> , 279, 40237-44	23
2225	Critical role of N-cadherin in myofibroblast invasion and migration in vitro stimulated by colon-cancer-cell-derived TGF-beta or wounding. <b>2004</b> , 117, 4691-703	130
2224	Smad2 mediates Erk1/2 activation by TGF- $\beta$ in suspended, but not in adherent, gastric carcinoma cells. <b>2004</b> , 24, 1229	3

2223	TGFbeta1, back to the future: revisiting its role as a transforming growth factor. <b>2004</b> , 3, 276-83	55
2222	Smad2 phosphorylation by type I receptor: contribution of arginine 462 and cysteine 463 In the C terminus of Smad2 for specificity. <b>2004</b> , 279, 35781-7	6
2221	Regulation of gonadotropin subunit gene transcription. <b>2004</b> , 33, 559-84	148
2220	Conditional overexpression of active transforming growth factor beta1 in vivo accelerates metastases of transgenic mammary tumors. <b>2004</b> , 64, 9002-11	159
2219	Altered expression of genes of the Bmp/Smad and Wnt/calcium signaling pathways in the cone-only Nrl <sup>-/-</sup> mouse retina, revealed by gene profiling using custom cDNA microarrays. <b>2004</b> , 279, 42211-20	48
2218	Restoration of transforming growth factor-beta signaling through receptor RI induction by histone deacetylase activity inhibition in breast cancer cells. <b>2004</b> , 279, 32620-5	55
2217	Ig-reactive CD4+CD25+ T cells from tolerized (New Zealand Black x New Zealand White)F1 mice suppress in vitro production of antibodies to DNA. <b>2004</b> , 173, 3542-8	93
2216	Cell-type-dependent effect of transforming growth factor beta, a major cytokine in breast milk, on human immunodeficiency virus type 1 infection of mammary epithelial MCF-7 cells or macrophages. <b>2004</b> , 78, 13046-52	13
2215	Overexpression of HER2 (erbB2) in human breast epithelial cells unmasks transforming growth factor beta-induced cell motility. <b>2004</b> , 279, 24505-13	130
2214	HIV-infected lymphocytes regulate fibronectin synthesis by TGF beta 1 secretion. <b>2004</b> , 172, 3189-95	18
2213	BMPR-II heterozygous mice have mild pulmonary hypertension and an impaired pulmonary vascular remodeling response to prolonged hypoxia. <b>2004</b> , 287, L1241-7	171
2212	Mechanisms for the control of body size by a G-kinase and a downstream TGFbeta signal pathway in <i>Caenorhabditis elegans</i> . <b>2004</b> , 9, 39-47	21
2211	Bone morphogenetic proteins and neurotrophins provide complementary protection of septal cholinergic function during phosphatase inhibitor-induced stress. <b>2004</b> , 91, 77-87	11
2210	Aging activates adipogenic and suppresses osteogenic programs in mesenchymal marrow stroma/stem cells: the role of PPAR-gamma2 transcription factor and TGF-beta/BMP signaling pathways. <b>2004</b> , 3, 379-89	594
2209	Alterations in the TGFbeta signaling pathway in myogenic progenitors with age. <b>2004</b> , 3, 353-61	63
2208	Loss of cooperative function of transforming growth factor-beta signaling proteins, smad3 with embryonic liver fodrin, a beta-spectrin, in primary biliary cirrhosis. <b>2004</b> , 24, 637-45	23
2207	Patterning of the branched head appendages in <i>Schistocerca americana</i> and <i>Tribolium castaneum</i> . <b>2004</b> , 6, 402-10	19
2206	Changes in gene expression within the nucleus accumbens and striatum following sexual experience. <b>2005</b> , 4, 31-44	31

2205	Smad3 as a mediator of the fibrotic response. <b>2004</b> , 85, 47-64	460
2204	Development of TGF-beta signalling inhibitors for cancer therapy. <b>2004</b> , 3, 1011-22	452
2203	Liver regeneration: from myth to mechanism. <b>2004</b> , 5, 836-47	1178
2202	Negative regulation of TGF-beta signaling in development. <b>2004</b> , 14, 441-9	24
2201	Endogenous TGF-beta signaling suppresses maturation of osteoblastic mesenchymal cells. <b>2004</b> , 23, 552-63	273
2200	BMP-2 decreases Mash1 stability by increasing Id1 expression. <b>2004</b> , 23, 3527-37	87
2199	TGFbeta-mediated activation of Smad1 in B-cell non-Hodgkin's lymphoma and effect on cell proliferation. <b>2004</b> , 18, 2015-25	32
2198	Transient adenoviral gene transfer of Smad7 prevents injury-induced epithelial-mesenchymal transition of lens epithelium in mice. <b>2004</b> , 84, 1259-70	68
2197	Baf60c is essential for function of BAF chromatin remodelling complexes in heart development. <i>Nature</i> , <b>2004</b> , 432, 107-12	50.4 413
2196	Lateral signaling enhances TGF-beta response complexity. <b>2004</b> , 14, 107-11	62
2195	New insights into TGF-beta-Smad signalling. <b>2004</b> , 29, 265-73	1009
2194	Tegumental expression of a novel type II receptor serine/threonine kinase (SmRK2) in <i>Schistosoma mansoni</i> . <b>2004</b> , 136, 149-56	40
2193	Status of the DPC4 tumor suppressor gene in sporadic colon adenocarcinoma of Croatian patients: identification of a novel somatic mutation. <b>2004</b> , 548, 61-73	5
2192	IR-inducible clusterin gene expression: a protein with potential roles in ionizing radiation-induced adaptive responses, genomic instability, and bystander effects. <b>2004</b> , 568, 97-110	67
2191	BMP signaling in the control of skin development and hair follicle growth. <b>2004</b> , 72, 512-26	134
2190	Transforming growth factor Beta1 induction of tissue inhibitor of metalloproteinases 3 in articular chondrocytes is mediated by reactive oxygen species. <b>2004</b> , 37, 196-207	46
2189	BMP4: its role in development of the hematopoietic system and potential as a hematopoietic growth factor. <b>2004</b> , 22, 457-74	68
2188	Regulation of bone morphogenetic proteins in early embryonic development. <b>2004</b> , 91, 519-34	59

2187	Angiogenesis and signal transduction in endothelial cells. <b>2004</b> , 61, 2224-43	243
2186	The TGF $\beta$ -inducible early gene plays a central role in the anti-proliferative response to TGF $\beta$ . <b>2004</b> , 4, 29-35	11
2185	Selective inhibition of activin receptor-like kinase 5 signaling blocks profibrotic transforming growth factor beta responses in skin fibroblasts. <b>2004</b> , 50, 4008-21	96
2184	Generation of novel conditional and hypomorphic alleles of the Smad2 gene. <b>2004</b> , 40, 118-123	25
2183	Multiple functions of BMPs in chondrogenesis. <b>2004</b> , 93, 93-103	254
2182	Regulation and role of transforming growth factor-beta in immune tolerance induction and inflammation. <b>2004</b> , 16, 709-16	105
2181	Analysis of the transforming growth factor-beta/sub 1/ pathway and extracellular matrix formation as a hybrid system. <b>2004</b> , 2004, 2901-4	
2180	Modulation of nuclear steroid receptors by ursodeoxycholic acid inhibits TGF-beta1-induced E2F-1/p53-mediated apoptosis of rat hepatocytes. <b>2004</b> , 43, 8429-38	41
2179	Transforming growth factor $\beta$ 1 induction of Tissue Inhibitor of Metallo Proteinases 3 in articular chondrocytes is mediated by reactive oxygen species. <b>2004</b> ,	
2178	KLF11 mediates a critical mechanism in TGF-beta signaling that is inactivated by Erk-MAPK in pancreatic cancer cells. <b>2004</b> , 127, 607-20	66
2177	Role of TGF-beta in cancer and the potential for therapy and prevention. <b>2004</b> , 4, 649-61	43
2176	Combinatorial activities of Smad2 and Smad3 regulate mesoderm formation and patterning in the mouse embryo. <b>2004</b> , 131, 1717-28	135
2175	Activin receptor signaling. <b>2004</b> , 22, 105-10	55
2174	Investigation of three new mouse mammary tumor cell lines as models for transforming growth factor (TGF)-beta and Neu pathway signaling studies: identification of a novel model for TGF-beta-induced epithelial-to-mesenchymal transition. <b>2004</b> , 6, R514-30	15
2173	Cancer progression: is inhibin alpha from Venus or Mars?. <b>2004</b> , 15, 291-6	10
2172	Convergence of p53 and TGF-beta signaling networks. <b>2004</b> , 213, 129-38	60
2171	cAMP inhibits TGFbeta1-induced in vitro angiogenesis. <b>2004</b> , 569, 105-11	16
2170	Proteomics-based identification of proteins interacting with Smad3: SREBP-2 forms a complex with Smad3 and inhibits its transcriptional activity. <b>2004</b> , 577, 93-100	61

2169	Proteomic analysis of the TGF-beta signaling pathway in pancreatic carcinoma cells using stable RNA interference to silence Smad4 expression. <b>2004</b> , 318, 289-96	32
2168	Glypican-1 antisense transfection modulates TGF-beta-dependent signaling in Colo-357 pancreatic cancer cells. <b>2004</b> , 320, 1148-55	48
2167	Characterization of adrenomedullin in non-human primates. <b>2004</b> , 321, 859-69	8
2166	A new role for BMP5 during limb development acting through the synergic activation of Smad and MAPK pathways. <b>2004</b> , 272, 39-52	98
2165	Maintenance of mouse trophoblast stem cell proliferation by TGF-beta/activin. <b>2004</b> , 275, 158-69	148
2164	Targeted disruption of TGF-beta/Smad3 signaling modulates skin fibrosis in a mouse model of scleroderma. <b>2004</b> , 165, 203-17	195
2163	JNK regulates autocrine expression of TGF-beta1. <b>2004</b> , 15, 269-78	81
2162	JNK regulates expression and autocrine signaling of TGF-beta1. <b>2004</b> , 15, 170-1	12
2161	Hormonal, cellular, and molecular regulation of normal and neoplastic prostatic development. <b>2004</b> , 92, 221-36	242
2160	Proteomic profiling of bone marrow mesenchymal stem cells upon transforming growth factor beta1 stimulation. <b>2004</b> , 279, 43725-34	199
2159	Activin induces hepatocyte cell growth arrest through induction of the cyclin-dependent kinase inhibitor p15INK4B and Sp1. <b>2004</b> , 16, 693-701	36
2158	Runx2/Cbfa1 stimulates transdifferentiation of primary skeletal myoblasts into a mineralizing osteoblastic phenotype. <b>2004</b> , 300, 406-17	111
2157	TGF-beta signal transduction in oro-facial health and non-malignant disease (part I). <b>2004</b> , 15, 324-36	44
2156	Ascorbic acid responsive genes during neuronal differentiation of embryonic stem cells. <b>2004</b> , 15, 1959-63	50
2155	RLP, a novel Ras-like protein, is an immediate-early transforming growth factor-beta (TGF-beta) target gene that negatively regulates transcriptional activity induced by TGF-beta. <b>2004</b> , 383, 187-99	15
2154	IGFBP-3 activates TGF-beta receptors and directly inhibits growth in human intestinal smooth muscle cells. <b>2004</b> , 287, G795-802	39
2153	Abnormal mouse lung alveolarization caused by Smad3 deficiency is a developmental antecedent of centrilobular emphysema. <b>2005</b> , 288, L683-91	107
2152	TGF $\beta$ IN CHONDROCYTE BIOLOGY AND CARTILAGE PATHOLOGY. <b>2005</b> , 299-311	

- 2151 Bibliography. Current world literature. Endocrine tumors. **2005**, 17, 61-7
- 2150 Current World Literature. **2005**, 14, 73-85
- 2149 Group 13 HOX proteins interact with the MH2 domain of R-Smads and modulate Smad transcriptional activation functions independent of HOX DNA-binding capability. **2005**, 33, 4475-84 41
- 2148 Limb Development. 523-618
- 2147 Cell Signaling and Growth Factors in Lung Development. 791-821
- 2146 Thrombin induces endocytosis of endoglin and type-II TGF-beta receptor and down-regulation of TGF-beta signaling in endothelial cells. **2005**, 105, 1977-85 28
- 2145 Linking Smads and transcriptional activation. **2005**, 386, e1-e3 22
- 2144 The Smad3 linker region contains a transcriptional activation domain. **2005**, 386, 29-34 41
- 2143 Transforming Growth Factor Beta and breast cancer. **2005**, 126, 129-56 9
- 2142 Keratinocyte Migration in Wound Healing. **2005**, 275-298
- 2141 Drivers of germ cell maturation. **2005**, 1061, 173-82 26
- 2140 Fibrodysplasia ossificans progressiva (FOP), a disorder of ectopic osteogenesis, misregulates cell surface expression and trafficking of BMPRIA. **2005**, 20, 1168-76 91
- 2139 Smad3-deficient chondrocytes have enhanced BMP signaling and accelerated differentiation. **2006**, 21, 4-16 107
- 2138 Effect of IGF-I in the chondrogenesis of bone marrow mesenchymal stem cells in the presence or absence of TGF-beta signaling. **2006**, 21, 626-36 254
- 2137 Dysregulation of BMP4 receptor trafficking and signaling in fibrodysplasia ossificans progressiva. **2005**, 3, 217-224 7
- 2136 Activation of transforming growth factor-beta1/p38/Smad3 signaling in stromal cells requires reactive oxygen species-mediated MMP-2 activity during bone marrow damage. **2005**, 23, 1122-34 24
- 2135 Sequestration of serum response factor in the hippocampus impairs long-term spatial memory. **2005**, 93, 269-78 36
- 2134 Transforming growth factor-beta and Smad signalling in kidney diseases. **2005**, 10, 48-56 280



2133	Smad7 induces G0/G1 cell cycle arrest in mesenchymal cells by inhibiting the expression of G1 cyclins. <b>2005</b> , 47, 537-52	4
2132	Conditioned medium from keloid keratinocyte/keloid fibroblast coculture induces contraction of fibroblast-populated collagen lattices. <b>2005</b> , 152, 639-45	29
2131	Gene expression profiling of mantle cell lymphoma cells reveals aberrant expression of genes from the PI3K-AKT, WNT and TGFbeta signalling pathways. <b>2005</b> , 130, 516-26	128
2130	Regulation of gene-activation pathways by PIAS proteins in the immune system. <b>2005</b> , 5, 593-605	336
2129	Clathrin- and non-clathrin-mediated endocytic regulation of cell signalling. <b>2005</b> , 6, 112-26	709
2128	Making a tooth: growth factors, transcription factors, and stem cells. <b>2005</b> , 15, 301-16	212
2127	TGF beta1 induces prolonged mitochondrial ROS generation through decreased complex IV activity with senescent arrest in Mv1Lu cells. <b>2005</b> , 24, 1895-903	133
2126	The steroid receptor co-activator-1 (SRC-1) potentiates TGF-beta/Smad signaling: role of p300/CBP. <b>2005</b> , 24, 1936-45	21
2125	TGFbeta1/Smad3 counteracts BRCA1-dependent repair of DNA damage. <b>2005</b> , 24, 2289-97	51
2124	Inactivation of TGF-beta signaling in hepatocytes results in an increased proliferative response after partial hepatectomy. <b>2005</b> , 24, 3028-41	93
2123	Selective inhibition of TGF-beta responsive genes by Smad-interacting peptide aptamers from FoxH1, Lef1 and CBP. <b>2005</b> , 24, 3864-74	47
2122	RAS and TGF-beta exert antagonistic effects on extracellular matrix gene expression and fibroblast transformation. <b>2005</b> , 24, 7043-54	14
2121	The role of Smad signaling in hematopoiesis. <b>2005</b> , 24, 5676-92	134
2120	TGF-beta, neuronal stem cells and glioblastoma. <b>2005</b> , 24, 5722-30	75
2119	TGF-beta and epithelial-to-mesenchymal transitions. <b>2005</b> , 24, 5764-74	1347
2118	Crosstalk mechanisms between the mitogen-activated protein kinase pathways and Smad signaling downstream of TGF-beta: implications for carcinogenesis. <b>2005</b> , 24, 5742-50	340
2117	Inactivation of ELF/TGF-beta signaling in human gastrointestinal cancer. <b>2005</b> , 24, 8012-24	37
2116	Functions of the TGFbeta superfamily in human embryonic stem cells. <b>2005</b> , 113, 773-89	55

2115	Towards dissecting the pathogenesis of retinoid-induced hair loss: all-trans retinoic acid induces premature hair follicle regression (catagen) by upregulation of transforming growth factor-beta2 in the dermal papilla. <b>2005</b> , 124, 1119-26	74
2114	Current view of the role of transforming growth factor beta 1 in skin carcinogenesis. <b>2005</b> , 10, 110-7	15
2113	Requirement of km23 for TGFbeta-mediated growth inhibition and induction of fibronectin expression. <b>2005</b> , 17, 1363-72	18
2112	TGF-beta1-mediated activations of c-Src and Rac1 modulate levels of cyclins and p27(Kip1) CDK inhibitor in hepatoma cells replated on fibronectin. <b>2005</b> , 1743, 151-61	28
2111	Brain pericytes contribute to the induction and up-regulation of blood-brain barrier functions through transforming growth factor-beta production. <b>2005</b> , 1038, 208-15	277
2110	Increased longevity of hematopoiesis in continuous bone marrow cultures and adipocytogenesis in marrow stromal cells derived from Smad3(-/-) mice. <b>2005</b> , 33, 353-62	27
2109	Sending the right signals: regulating receptor kinase activity. <b>2005</b> , 8, 648-56	71
2108	Suppression of hepatitis C virus replicon by TGF-beta. <b>2005</b> , 331, 407-17	57
2107	Morphogens and synaptogenesis in Drosophila. <b>2005</b> , 64, 417-34	81
2106	Advanced glycation end-product-induced mitogenesis and collagen production are dependent on angiotensin II and connective tissue growth factor in NRK-49F cells. <b>2005</b> , 95, 281-92	30
2105	Parathyroid hormone stimulation and PKA signaling of latent transforming growth factor-beta binding protein-1 (LTBP-1) mRNA expression in osteoblastic cells. <b>2005</b> , 95, 1002-11	13
2104	TGF-beta control of cell proliferation. <b>2005</b> , 96, 447-62	172
2103	Interaction and functional interplay between endoglin and ALK-1, two components of the endothelial transforming growth factor-beta receptor complex. <b>2005</b> , 204, 574-84	172
2102	Generation of a floxed allele of the mouse BMP type II receptor gene. <b>2005</b> , 41, 133-7	38
2101	TGF-beta induces novel Lef-1 splice variants through a Smad-independent signaling pathway. <b>2005</b> , 232, 969-78	13
2100	Fibroblast expression of the coactivator p300 governs the intensity of profibrotic response to transforming growth factor beta. <b>2005</b> , 52, 1248-58	75
2099	BMP Signaling in Osteogenesis, Bone Remodeling and Repair. <b>2005</b> , 31, 464-479	15
2098	TGFbeta inhibits IL-1 -induced iNOS expression and NO production in immortalized chondrocytes. <b>2005</b> , 54, 420-7	22

2097	Wnt signaling: multiple functions in neural development. <b>2005</b> , 62, 1100-8	142
2096	Activation of protein kinase C alpha is required for TPA-triggered ERK (MAPK) signaling and growth inhibition of human hepatoma cell HepG2. <b>2005</b> , 12, 289-96	25
2095	Molecular mechanisms of hormonal activity. II. Kinase systems. Systems with intracellular receptors. Transactivation of STS. <b>2005</b> , 70, 391-405	2
2094	Expression of BP1, a novel homeobox gene, correlates with breast cancer progression and invasion. <b>2005</b> , 90, 241-7	41
2093	SKI pathways inducing progression of human melanoma. <b>2005</b> , 24, 265-72	54
2092	Restoration of Smad4 in BxPC3 pancreatic cancer cells attenuates proliferation without altering angiogenesis. <b>2005</b> , 22, 461-73	31
2091	Smad3 signalling plays an important role in keloid pathogenesis via epithelial-mesenchymal interactions. <b>2005</b> , 207, 232-42	76
2090	Differential proteome analysis of conditioned media to detect Smad4 regulated secreted biomarkers in colon cancer. <b>2005</b> , 5, 2587-601	80
2089	TGF-beta signaling in chondrocytes. <b>2005</b> , 10, 681-8	86
2088	Doxycycline inhibits TGF-beta1-induced MMP-9 via Smad and MAPK pathways in human corneal epithelial cells. <b>2005</b> , 46, 840-8	119
2087	Smad1 expression and function during mouse embryonic lung branching morphogenesis. <b>2005</b> , 288, L1033-9	24
2086	TGF-beta concentration specifies differential signaling profiles of growth arrest/differentiation and apoptosis in podocytes. <b>2005</b> , 16, 3211-21	110
2085	The signaling network of transforming growth factor beta1, protein kinase Cdelta, and integrin underlies the spreading and invasiveness of gastric carcinoma cells. <b>2005</b> , 25, 6921-36	39
2084	Signaling cross-talk between IGF-binding protein-3 and transforming growth factor-(beta) in mesenchymal chondroprogenitor cell growth. <b>2005</b> , 34, 723-37	16
2083	References. <b>2005</b> , 559-736	
2082	Paclitaxel modulates TGFbeta signaling in scleroderma skin grafts in immunodeficient mice. <b>2005</b> , 2, e354	43
2081	Transforming growth factor {beta} (TGF-{beta})-Smad target gene protein tyrosine phosphatase receptor type kappa is required for TGF-{beta} function. <b>2005</b> , 25, 4703-15	72
2080	Cytoplasmic SnoN in normal tissues and nonmalignant cells antagonizes TGF-beta signaling by sequestration of the Smad proteins. <b>2005</b> , 102, 12437-42	67

2079	LIM-kinase 2 and cofilin phosphorylation mediate actin cytoskeleton reorganization induced by transforming growth factor-beta. <b>2005</b> , 280, 11448-57	141
2078	Daxx mediates the small ubiquitin-like modifier-dependent transcriptional repression of Smad4. <b>2005</b> , 280, 10164-73	90
2077	Transforming growth factor beta facilitates beta-TrCP-mediated degradation of Cdc25A in a Smad3-dependent manner. <b>2005</b> , 25, 3338-47	47
2076	Requirement for the SnoN oncoprotein in transforming growth factor beta-induced oncogenic transformation of fibroblast cells. <b>2005</b> , 25, 10731-44	40
2075	Smad4 dependency defines two classes of transforming growth factor {beta} (TGF-{beta}) target genes and distinguishes TGF-{beta}-induced epithelial-mesenchymal transition from its antiproliferative and migratory responses. <b>2005</b> , 25, 8108-25	283
2074	TGF-beta1 inhibits T-bet induction by IFN-gamma in murine CD4+ T cells through the protein tyrosine phosphatase Src homology region 2 domain-containing phosphatase-1. <b>2005</b> , 175, 5666-74	77
2073	A transforming growth factor-beta receptor-interacting protein frequently mutated in human ovarian cancer. <b>2005</b> , 65, 6526-33	55
2072	Gata4 expression in lateral mesoderm is downstream of BMP4 and is activated directly by Forkhead and GATA transcription factors through a distal enhancer element. <b>2005</b> , 132, 3405-17	103
2071	Bone morphogenetic protein receptor-2 and pulmonary arterial hypertension: unraveling a riddle inside an enigma?. <b>2005</b> , 96, 1033-5	17
2070	Enforced Bcl-2 expression overrides serum and feeder cell requirements for mouse embryonic stem cell self-renewal. <b>2005</b> , 102, 3312-7	50
2069	Transforming growth factor-beta signaling during epithelial-mesenchymal transformation: implications for embryogenesis and tumor metastasis. <b>2005</b> , 179, 11-23	257
2068	Transforming growth factor-beta suppresses nonmetastatic colon cancer through Smad4 and adaptor protein ELF at an early stage of tumorigenesis. <b>2005</b> , 65, 4228-37	83
2067	A-type lamins are essential for TGF-beta1 induced PP2A to dephosphorylate transcription factors. <b>2005</b> , 14, 2839-49	122
2066	Non-Smad TGF-beta signals. <b>2005</b> , 118, 3573-84	892
2065	Adhesion and Rac1-dependent regulation of biglycan gene expression by transforming growth factor-beta. Evidence for oxidative signaling through NADPH oxidase. <b>2005</b> , 280, 33190-9	33
2064	Role of ERK1/2 and p38 mitogen-activated protein kinases in the regulation of thrombospondin-1 by TGF-beta1 in rat proximal tubular cells and mouse fibroblasts. <b>2005</b> , 16, 899-904	53
2063	Molecular mechanisms of early lung specification and branching morphogenesis. <b>2005</b> , 57, 26R-37R	168
2062	Bone morphogenetic protein regulation of early osteoblast genes in human marrow stromal cells is mediated by extracellular signal-regulated kinase and phosphatidylinositol 3-kinase signaling. <b>2005</b> , 146, 3428-37	153

2061	Synergy between activin A and gonadotropin-releasing hormone in transcriptional activation of the rat follicle-stimulating hormone-beta gene. <b>2005</b> , 19, 237-54	61
2060	Transforming growth factor-beta promotes inactivation of extracellular thyroid hormones via transcriptional stimulation of type 3 iodothyronine deiodinase. <b>2005</b> , 19, 3126-36	58
2059	Smad-dependent cooperative regulation of interleukin 2 receptor alpha chain gene expression by T cell receptor and transforming growth factor-beta. <b>2005</b> , 280, 34042-7	36
2058	Pathogenesis of pulmonary arterial hypertension: the need for multiple hits. <b>2005</b> , 111, 534-8	162
2057	Adenoviral gene transfer allows Smad-responsive gene promoter analyses and delineation of type I receptor usage of transforming growth factor-beta family ligands in cultured human granulosa luteal cells. <b>2005</b> , 90, 271-8	47
2056	The amyloid-beta peptide suppresses transforming growth factor-beta1-induced matrix metalloproteinase-2 production via Smad7 expression in human monocytic THP-1 cells. <b>2005</b> , 280, 7845-53	34
2055	Activin regulates luteinizing hormone beta-subunit gene expression through Smad-binding and homeobox elements. <b>2005</b> , 19, 2610-23	53
2054	Emerging drugs for idiopathic pulmonary fibrosis. <b>2005</b> , 10, 707-27	15
2053	Revealing transforming growth factor-beta signaling transduction in human kidney by gene expression data mining. <b>2005</b> , 9, 266-80	6
2052	Role of transforming growth factor Beta in human cancer. <b>2005</b> , 23, 2078-93	557
2051	DNA Sequence-Specific Transcription Factors. <b>2005</b> , 91-109	3
2050	Soluble tumor necrosis factor (TNF) receptor-1 induces apoptosis via reverse TNF signaling and autocrine transforming growth factor-beta1. <b>2005</b> , 19, 91-3	82
2049	Targeting the stromal fibroblasts: a novel approach to melanoma therapy. <b>2005</b> , 5, 1069-78	17
2048	Repression of bone morphogenetic protein and activin-inducible transcription by Evi-1. <b>2005</b> , 280, 24227-37	73
2047	2-Methoxyestradiol-induced apoptosis in prostate cancer cells requires Smad7. <b>2005</b> , 280, 14773-9	27
2046	Disabled-2 (Dab2) mediates transforming growth factor beta (TGFbeta)-stimulated fibronectin synthesis through TGFbeta-activated kinase 1 and activation of the JNK pathway. <b>2005</b> , 280, 25920-7	85
2045	Distinct effects of TGF-beta 1 on CD4+ and CD8+ T cell survival, division, and IL-2 production: a role for T cell intrinsic Smad3. <b>2005</b> , 174, 2071-83	79
2044	Autoantibodies to fibrillin-1 activate normal human fibroblasts in culture through the TGF-beta pathway to recapitulate the "scleroderma phenotype". <b>2005</b> , 175, 4555-60	65

2043	Transforming growth factor-beta differentially inhibits MyD88-dependent, but not TRAM- and TRIF-dependent, lipopolysaccharide-induced TLR4 signaling. <b>2005</b> , 280, 5491-5	130
2042	SnoN is a cell type-specific mediator of transforming growth factor-beta responses. <b>2005</b> , 280, 13037-46	59
2041	High-density lipoproteins induce transforming growth factor-beta2 expression in endothelial cells. <b>2005</b> , 111, 2805-11	76
2040	Biomaterials for Regenerative Medicine. <b>2005</b> , 30, 546-553	68
2039	Induction of cyclin D2 in rat granulosa cells requires FSH-dependent relief from FOXO1 repression coupled with positive signals from Smad. <b>2005</b> , 280, 9135-48	130
2038	TGFbeta-induced downregulation of E-cadherin-based cell-cell adhesion depends on PI3-kinase and PTEN. <b>2005</b> , 118, 4901-12	132
2037	Transforming growth factor beta-dependent sequential activation of Smad, Bim, and caspase-9 mediates physiological apoptosis in gastric epithelial cells. <b>2005</b> , 25, 10017-28	77
2036	Repeated exposure of human skin fibroblasts to UVB at subcytotoxic level triggers premature senescence through the TGF-beta1 signaling pathway. <b>2005</b> , 118, 743-58	188
2035	TGFbeta signaling at the summit. <b>2005</b> , 132, 4205-10	16
2034	Degradation of the tumor suppressor Smad4 by WW and HECT domain ubiquitin ligases. <b>2005</b> , 280, 22115-23	149
2033	Radiation and transforming growth factor-beta cooperate in transcriptional activation of the profibrotic plasminogen activator inhibitor-1 gene. <b>2005</b> , 11, 5956-64	35
2032	Effect of wound type on Smad 2 and 4 translocation. <b>2005</b> , 46, 2362-8	31
2031	Transforming growth factor-beta, Smads, and cancer. <b>2005</b> , 11, 3151-4	16
2030	Smad transcription factors. <b>2005</b> , 19, 2783-810	1789
2029	Bone morphogenetic protein (BMP) type II receptor deletion reveals BMP ligand-specific gain of signaling in pulmonary artery smooth muscle cells. <b>2005</b> , 280, 24443-50	157
2028	Integration/Interaction of Oncologic Growth. <b>2005</b> ,	3
2027	Enamel matrix derivative gel stimulates signal transduction of BMP and TGF-{beta}. <b>2005</b> , 84, 510-4	106
2026	Pathways of renal fibrosis and modulation of matrix turnover in experimental hypercholesterolemia. <b>2005</b> , 46, 772-9	58

2025	Dexamethasone suppresses Smad3 pathway in osteoblastic cells. <b>2005</b> , 185, 131-8	27
2024	Inactivation of TGFbeta signaling in neural crest stem cells leads to multiple defects reminiscent of DiGeorge syndrome. <b>2005</b> , 19, 530-5	112
2023	Keratocan expression of murine keratocytes is maintained on amniotic membrane by down-regulating transforming growth factor-beta signaling. <b>2005</b> , 280, 27085-92	37
2022	The integral inner nuclear membrane protein MAN1 physically interacts with the R-Smad proteins to repress signaling by the transforming growth factor-{beta} superfamily of cytokines. <b>2005</b> , 280, 15992-6001 <sup>142</sup>	142
2021	TGF-{beta} signaling of human T cells is modulated by the ancillary TGF-{beta} receptor endoglin. <b>2005</b> , 17, 921-30	36
2020	The ETV6-NTRK3 chimeric tyrosine kinase suppresses TGF-beta signaling by inactivating the TGF-beta type II receptor. <b>2005</b> , 102, 16239-44	31
2019	Transforming growth factor-beta (TGF-beta) type I receptor/ALK5-dependent activation of the GADD45beta gene mediates the induction of biglycan expression by TGF-beta. <b>2005</b> , 280, 2644-52	37
2018	Adenovirus-mediated gene transfer of mutated IkappaB kinase and IkappaBalpha reveal NF-kappaB-dependent as well as NF-kappaB-independent pathways of HAS1 activation. <b>2005</b> , 280, 42766-73	14
2017	Dpp-responsive silencers are bound by a trimeric Mad-Medea complex. <b>2005</b> , 280, 36158-64	44
2016	The role of PRAJA and ELF in TGF-beta signaling and gastric cancer. <b>2005</b> , 4, 694-9	25
2015	Differential expression and cytoplasm/membrane distribution of endoglin (CD105) in human tumour cell lines: Implications in the modulation of cell proliferation. <b>2005</b> , 26, 1193-201	9
2014	Inhibition of glial maturation by bone morphogenetic protein 2 in a neural crest-derived cell line. <b>2005</b> , 27, 37-48	6
2013	Characterization of a novel transcriptionally active domain in the transforming growth factor beta-regulated Smad3 protein. <b>2005</b> , 33, 3708-21	29
2012	A critical role for the Sp1-binding sites in the transforming growth factor-beta-mediated inhibition of lipoprotein lipase gene expression in macrophages. <b>2005</b> , 33, 1423-34	40
2011	Localization and action of Dragon (repulsive guidance molecule b), a novel bone morphogenetic protein coreceptor, throughout the reproductive axis. <b>2005</b> , 146, 3614-21	28
2010	Cellular and molecular facets of keratinocyte reepithelization during wound healing. <b>2005</b> , 304, 274-86	288
2009	Convergence of bone morphogenetic protein and laminin-1 signaling pathways promotes proliferation and colony formation by fetal mouse pancreatic cells. <b>2005</b> , 308, 114-22	20
2008	Insulin-like growth factor binding protein (IGFBP)-3 and IGFBP-5 mediate TGF-beta- and myostatin-induced suppression of proliferation in porcine embryonic myogenic cell cultures. <b>2005</b> , 311, 167-76	26

2007	Transforming growth factor-beta-induced epithelial-mesenchymal transition in the lens: a model for cataract formation. <b>2005</b> , 179, 43-55	218
2006	Antisense to transforming growth factor-beta1 messenger RNA reduces vein graft intimal hyperplasia and monocyte chemotactic protein 1. <b>2005</b> , 41, 498-508	36
2005	Novel interaction between nuclear coactivator CBP and the protein inhibitor of activated Stat1 (PIAS1). <b>2005</b> , 25, 321-7	7
2004	Proteomics of TGF-beta signaling and its impact on breast cancer. <b>2005</b> , 2, 925-35	15
2003	Type I transforming growth factor beta receptor binds to and activates phosphatidylinositol 3-kinase. <b>2005</b> , 280, 10870-6	173
2002	TGF-beta receptor function in the endothelium. <b>2005</b> , 65, 599-608	378
2001	Oncogenes as novel targets for cancer therapy (part I): growth factors and protein tyrosine kinases. <b>2005</b> , 5, 173-90	21
2000	The role of proteins of the transforming growth factor-beta superfamily in the intraovarian regulation of follicular development. <b>2005</b> , 11, 143-60	256
1999	Expression of truncated latent TGF-beta-binding protein modulates TGF-beta signaling. <b>2005</b> , 118, 2177-87	36
1998	TGF beta-induced focal complex formation in epithelial cells is mediated by activated ERK and JNK MAP kinases and is independent of Smad4. <b>2005</b> , 386, 225-36	48
1997	Involvement of the serine/threonine p70S6 kinase in TGF-beta1-induced ADAM12 expression in cultured human hepatic stellate cells. <b>2005</b> , 43, 1038-44	55
1996	Adenovirus-mediated overexpression of activin beta(C) subunit accelerates liver regeneration in partially hepatectomized rats. <b>2005</b> , 43, 751-3	0
1995	Scleroderma: from cell and molecular mechanisms to disease models. <b>2005</b> , 26, 587-95	223
1994	Transcriptional repression of fibroblast growth factor 8 by transforming growth factor-beta in androgen-dependent SC-3 cells. <b>2005</b> , 96, 1-12	4
1993	KC chemokine expression by TGF-beta in C3H10T1/2 cells induced towards osteoblasts. <b>2005</b> , 326, 364-70	13
1992	Crystal structure of recombinant human growth and differentiation factor 5: evidence for interaction of the type I and type II receptor-binding sites. <b>2005</b> , 329, 1076-86	48
1991	Induction of human LTBP-3 promoter activity by TGF-beta1 is mediated by Smad3/4 and AP-1 binding elements. <b>2005</b> , 363, 142-50	8
1990	Ubiquitin ligase Smurf1 controls osteoblast activity and bone homeostasis by targeting MEKK2 for degradation. <b>2005</b> , 121, 101-13	286



1989	Smad signal and TGFbeta induced apoptosis in human lymphoma cells. <b>2005</b> , 30, 228-35	19
1988	Dual role for TGF-beta1 in apoptosis. <b>2005</b> , 16, 15-34	176
1987	The role of bone morphogenetic proteins in endochondral bone formation. <b>2005</b> , 16, 279-85	89
1986	Cytokines and junction restructuring during spermatogenesis--a lesson to learn from the testis. <b>2005</b> , 16, 469-93	75
1985	Functional specificity of the Xenopus T-domain protein Brachyury is conferred by its ability to interact with Smad1. <b>2005</b> , 8, 599-610	63
1984	Transcriptional induction of Smurf2 ubiquitin ligase by TGF-beta. <b>2005</b> , 579, 2557-63	41
1983	Uptake of host cell transforming growth factor-beta by Trypanosoma cruzi amastigotes in cardiomyocytes: potential role in parasite cycle completion. <b>2005</b> , 167, 993-1003	41
1982	Expression of Smad7 in mouse eyes accelerates healing of corneal tissue after exposure to alkali. <b>2005</b> , 166, 1405-18	102
1981	SOX7 is an immediate-early target of VegT and regulates Nodal-related gene expression in Xenopus. <b>2005</b> , 278, 526-41	39
1980	The ARID domain protein dril1 is necessary for TGF(beta) signaling in Xenopus embryos. <b>2005</b> , 278, 542-59	16
1979	The role of Dpp signaling in maintaining the Drosophila anteroposterior compartment boundary. <b>2005</b> , 279, 31-43	29
1978	TGF-beta3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. <b>2005</b> , 280, 321-43	90
1977	BMP signaling and stem cell regulation. <b>2005</b> , 284, 1-11	174
1976	LIM Kinase1 controls synaptic stability downstream of the type II BMP receptor. <b>2005</b> , 47, 695-708	137
1975	Specificity and versatility in tgf-beta signaling through Smads. <b>2005</b> , 21, 659-93	1518
1974	Transforming growth factor beta and prostate cancer. <b>2005</b> , 126, 157-73	43
1973	Altered expression of TGF-beta receptors in hepatocellular carcinoma--effects of a constitutively active TGF-beta type I receptor mutant. <b>2005</b> , 71, 78-91	21
1972	High-throughput mapping of a dynamic signaling network in mammalian cells. <b>2005</b> , 307, 1621-5	587

1971	Regulation of the polarity protein Par6 by TGFbeta receptors controls epithelial cell plasticity. <b>2005</b> , 307, 1603-9	729
1970	Identification and characterization of ERK MAP kinase phosphorylation sites in Smad3. <b>2005</b> , 44, 12546-53	108
1969	Transforming growth factor-beta signaling in stem cells and cancer. <b>2005</b> , 310, 68-71	175
1968	Transforming growth factor-beta1 to the bone. <b>2005</b> , 26, 743-74	541
1967	Beta3 integrin and Src facilitate transforming growth factor-beta mediated induction of epithelial-mesenchymal transition in mammary epithelial cells. <b>2006</b> , 8, R42	192
1966	BMP signaling in the cartilage growth plate. <b>2006</b> , 76, 1-48	91
1965	Remodelage de la matrice extracellulaire en pathologie vasculaire. <b>2006</b> , 26, 48-49	
1964	Cancer Drug Resistance. <b>2006</b> ,	17
1963	Cotylenin A-induced differentiation is independent of the transforming growth factor-beta signaling system in human myeloid leukemia HL-60 cells. <b>2006</b> , 47, 733-40	13
1962	Management and therapeutic options in pediatric pulmonary hypertension. <b>2006</b> , 4, 361-74	9
1961	Loss of tumor necrosis factor alpha potentiates transforming growth factor beta-mediated pathogenic tissue response during wound healing. <b>2006</b> , 168, 1848-60	71
1960	Retrograde signaling that regulates synaptic development and function at the Drosophila neuromuscular junction. <b>2006</b> , 75, 267-85	41
1959	Bone morphogenetic protein 4: potential regulator of shear stress-induced graft neointimal atrophy. <b>2006</b> , 43, 150-8	21
1958	Régulation de l'expression des gènes de la matrice extracellulaire par le TGF-β r�le clef dans la fibrose. <b>2006</b> , 26, 45-48	
1957	Smad signalling in the ovary. <b>2006</b> , 4, 21	71
1956	Activin B can signal through both ALK4 and ALK7 in gonadotrope cells. <b>2006</b> , 4, 52	55
1955	Differential expression of members of the E2F family of transcription factors in rodent testes. <b>2006</b> , 4, 63	19
1954	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1603-1603	

1953	Mutations of TGFbeta signaling molecules in human disease. <b>2006</b> , 38, 403-14	63
1952	Regulation of Smad Function by Phosphorylation. <b>2006</b> , 235-252	2
1951	Transforming growth factor-beta regulation of immune responses. <b>2006</b> , 24, 99-146	1671
1950	Role of transforming growth factor-beta in cancer progression. <b>2006</b> , 2, 743-63	67
1949	Escaping from the TGFbeta anti-proliferative control. <b>2006</b> , 27, 2148-56	126
1948	The logic of TGFbeta signaling. <b>2006</b> , 580, 2811-20	598
1947	JNK mediates TGF-beta1-induced epithelial mesenchymal transdifferentiation of mouse transformed keratinocytes. <b>2006</b> , 580, 5385-91	76
1946	Identification and pathway analysis of immediate hyperosmotic stress responsive molecular mechanisms in tilapia ( <i>Oreochromis mossambicus</i> ) gill. <b>2006</b> , 1, 344-56	32
1945	PPM1A functions as a Smad phosphatase to terminate TGFbeta signaling. <b>2006</b> , 125, 915-28	378
1944	Hematopoiesis controlled by distinct TIF1gamma and Smad4 branches of the TGFbeta pathway. <b>2006</b> , 125, 929-41	299
1943	Transcriptional regulation of the cartilage intermediate layer protein (CILP) gene. <b>2006</b> , 341, 121-7	23
1942	Inactivation of TGF-beta signaling in lung cancer results in increased CDK4 activity that can be rescued by ELF. <b>2006</b> , 346, 1150-7	17
1941	Prion protein modifies TGF-beta induced signal transduction. <b>2006</b> , 349, 525-32	6
1940	High resolution structures of the bone morphogenetic protein type II receptor in two crystal forms: implications for ligand binding. <b>2006</b> , 351, 831-8	40
1939	Adaptor proteins and ubiquinators in TGF-beta signaling. <b>2006</b> , 17, 75-87	24
1938	Targeted tumor therapy with the TGF-beta 2 antisense compound AP 12009. <b>2006</b> , 17, 129-39	154
1937	Transforming growth factor-beta pathway: role in pancreas development and pancreatic disease. <b>2006</b> , 17, 107-19	75
1936	TGF-beta and cancer. <b>2006</b> , 17, 29-40	336

1935	Smad3 phosphorylation by cyclin-dependent kinases. <b>2006</b> , 17, 9-17	50
1934	Transforming growth factor-beta signalling in brain disorders. <b>2006</b> , 17, 121-8	96
1933	The role of transforming growth factor-beta in atherosclerosis. <b>2006</b> , 17, 487-99	84
1932	Crkl deficiency disrupts Fgf8 signaling in a mouse model of 22q11 deletion syndromes. <b>2006</b> , 10, 71-80	118
1931	Oct-3/4 dose dependently regulates specification of embryonic stem cells toward a cardiac lineage and early heart development. <b>2006</b> , 11, 535-46	143
1930	Dullard promotes degradation and dephosphorylation of BMP receptors and is required for neural induction. <b>2006</b> , 11, 763-74	65
1929	Extracellular proteoglycans modify TGF-beta bio-availability attenuating its signaling during skeletal muscle differentiation. <b>2006</b> , 25, 332-41	112
1928	Transcription of gonadotropin beta subunit genes involves cross-talk between the transcription factors and co-regulators that mediate actions of the regulatory hormones. <b>2006</b> , 252, 167-83	39
1927	Genipin suppression of fibrogenic behaviors of the alpha-TN4 lens epithelial cell line. <b>2006</b> , 32, 1727-35	27
1926	Cellular mechanisms of fatal early-onset autoimmunity in mice with the T cell-specific targeting of transforming growth factor-beta receptor. <b>2006</b> , 25, 441-54	361
1925	[Involvement of TGFbeta1 in fibrotic diseases: role of its effectors, the Smad proteins]. <b>2006</b> , 27, 46-9	4
1924	Cardiovascular malformations with normal smooth muscle differentiation in neural crest-specific type II TGFbeta receptor (Tgfbr2) mutant mice. <b>2006</b> , 289, 420-9	76
1923	Inhibitor-resistant type I receptors reveal specific requirements for TGF-beta signaling in vivo. <b>2006</b> , 295, 730-42	43
1922	Smad3 knock-out mice as a useful model to study intestinal fibrogenesis. <b>2006</b> , 12, 1211-8	21
1921	TGF-beta1-induced long-term changes in neuronal excitability in aplysia sensory neurons depend on MAPK. <b>2006</b> , 95, 3286-90	37
1920	p38 inhibitors prevent TGF-beta-induced myofibroblast transdifferentiation in human tenon fibroblasts. <b>2006</b> , 47, 1500-9	114
1919	Effects of lower fluence pulsed dye laser irradiation on production of collagen and the mRNA expression of collagen relative gene in cultured fibroblasts in vitro. <b>2006</b> , 119, 1543-1547	8
1918	Transforming growth factor-beta-regulated expression of genes in macrophages implicated in the control of cholesterol homeostasis. <b>2006</b> , 34, 1141-4	9

1917	Transforming growth factor-beta1 regulates macrophage migration via RhoA. <b>2006</b> , 108, 1821-9	98
1916	Role of transforming growth factor-beta in hematologic malignancies. <b>2006</b> , 107, 4589-96	186
1915	Fetal and adult fibroblasts have similar TGF-beta-mediated, Smad-dependent signaling pathways. <b>2006</b> , 117, 2277-83	32
1914	Effect of salt intake on progression of chronic kidney disease. <b>2006</b> , 15, 54-60	31
1913	TGF-beta: its role in asthma and therapeutic potential. <b>2006</b> , 7, 547-65	91
1912	Recent advances in TGFβ-regulated transcription during carcinogenesis. <b>2006</b> , 6, 345-354	4
1911	Moving on: Molecular mechanisms in TGFβ-induced epithelial cell migration. <b>2006</b> , 6, 355-364	8
1910	Antioxidants and inhibitors of flavoprotein-dependent oxidases abrogate TGF-beta induction of biglycan: Evidence for a role of reactive oxygen species. <b>2006</b> , 6, 338-344	1
1909	Editorial: TGF-β signaling. <b>2006</b> , 6, 297-299	
1908	The roles for cytokines in the generation and maintenance of regulatory T cells. <b>2006</b> , 212, 114-30	123
1907	Therapeutic strategies against TGF-beta signaling pathway in hepatic fibrosis. <b>2006</b> , 26, 8-22	184
1906	TGF-beta: a mobile purveyor of immune privilege. <b>2006</b> , 213, 213-27	184
1905	Smad3-null mice lack interstitial cells of Cajal in the colonic wall. <b>2006</b> , 36, 41-8	12
1904	Nuclear and cytoplasmic c-Ski differently modulate cellular functions. <b>2006</b> , 11, 1267-80	33
1903	Transforming growth factor-beta pathway disruption and infiltration of colorectal cancers by intraepithelial lymphocytes. <b>2006</b> , 49, 371-80	12
1902	Tumour microenvironment: TGFbeta: the molecular Jekyll and Hyde of cancer. <b>2006</b> , 6, 506-20	1053
1901	Nonoverlapping expression patterns of ALK1 and ALK5 reveal distinct roles of each receptor in vascular development. <b>2006</b> , 86, 116-29	92
1900	Prevention of radiation-induced pneumonitis by recombinant adenovirus-mediated transferring of soluble TGF-beta type II receptor gene. <b>2006</b> , 13, 864-72	27

1899	TGF-beta and cancer: is Smad3 a repressor of hTERT gene?. <b>2006</b> , 16, 169-73	34
1898	TGFbeta/BMP inhibits the bone marrow transformation capability of Hoxa9 by repressing its DNA-binding ability. <b>2006</b> , 25, 1469-80	30
1897	Intracellular TGF-beta receptor blockade abrogates Smad-dependent fibroblast activation in vitro and in vivo. <b>2006</b> , 126, 1733-44	72
1896	Isoform-specific regulation of the actin-organizing protein palladin during TGF-beta1-induced myofibroblast differentiation. <b>2006</b> , 126, 2387-96	64
1895	Role of TGF beta-mediated inflammation in cutaneous wound healing. <b>2006</b> , 11, 112-7	140
1894	Ubiquitin-dependent degradation of SnoN and Ski is increased in renal fibrosis induced by obstructive injury. <b>2006</b> , 69, 1733-40	52
1893	Renal injury due to renin-angiotensin-aldosterone system activation of the transforming growth factor-beta pathway. <b>2006</b> , 70, 1914-9	236
1892	Activated type I TGFbeta receptor kinase enhances the survival of mammary epithelial cells and accelerates tumor progression. <b>2006</b> , 25, 3408-23	125
1891	RING finger-dependent ubiquitination by PRAJA is dependent on TGF-beta and potentially defines the functional status of the tumor suppressor ELF. <b>2006</b> , 25, 693-705	27
1890	Role of Smad3 in the regulation of rat telomerase reverse transcriptase by TGFbeta. <b>2006</b> , 25, 1030-41	39
1889	Critical interactions between TGF-beta signaling/ELF, and E-cadherin/beta-catenin mediated tumor suppression. <b>2006</b> , 25, 1871-86	42
1888	LMO4 can interact with Smad proteins and modulate transforming growth factor-beta signaling in epithelial cells. <b>2006</b> , 25, 2920-30	44
1887	Cell type-dependent control of NF-Y activity by TGF-beta. <b>2006</b> , 25, 3387-96	21
1886	Smad6 is a protein kinase X phosphorylation substrate and is required for HL-60 cell differentiation. <b>2006</b> , 25, 4086-98	25
1885	Dysregulation of growth factor signaling in human hepatocellular carcinoma. <b>2006</b> , 25, 3787-800	321
1884	Adverse event reporting and developments in radiation biology after normal tissue injury: International Atomic Energy Agency consultation. <b>2006</b> , 64, 1442-51	20
1883	A road map toward defining the role of Smad signaling in hematopoietic stem cells. <b>2006</b> , 24, 1128-36	36
1882	TGFbeta1 induces vasculogenesis and inhibits angiogenic sprouting in an embryonic stem cell differentiation model: respective contribution of ALK1 and ALK5. <b>2006</b> , 24, 2420-7	57

1881	Transforming growth factor beta is required for differentiation of mouse mesencephalic progenitors into dopaminergic neurons in vitro and in vivo: ectopic induction in dorsal mesencephalon. <b>2006</b> , 24, 2120-9	77
1880	Bone morphogenetic protein signaling inhibits hair follicle anagen induction by restricting epithelial stem/progenitor cell activation and expansion. <b>2006</b> , 24, 2826-39	128
1879	Dysregulation of the BMP-4 signaling pathway in fibrodysplasia ossificans progressiva. <b>2006</b> , 1068, 54-65	54
1878	Dysregulation of the BMP-p38 MAPK signaling pathway in cells from patients with fibrodysplasia ossificans progressiva (FOP). <b>2006</b> , 21, 902-9	80
1877	Transforming growth factor-beta signaling enhances transdifferentiation of macrophages into smooth muscle-like cells. <b>2006</b> , 29, 269-76	38
1876	Reduction of invasive potential in K-ras-transformed thyroid cells by restoring of TGF-beta pathway. <b>2006</b> , 23, 237-48	7
1875	TGF-beta during human colorectal carcinogenesis: the shift from epithelial to mesenchymal signaling. <b>2006</b> , 14, 198-203	9
1874	E7 proteins from high- and low-risk human papillomaviruses bind to TGF-beta-regulated Smad proteins and inhibit their transcriptional activity. <b>2006</b> , 151, 1961-72	17
1873	Transforming growth factor-beta during carcinogenesis: the shift from epithelial to mesenchymal signaling. <b>2006</b> , 41, 295-303	22
1872	A novel mouse Smad4 mutation reduces protein stability and wild-type protein levels. <b>2006</b> , 17, 211-9	9
1871	Metastasis: cell-autonomous mechanisms versus contributions by the tumor microenvironment. <b>2006</b> , 63, 449-68	190
1870	Proliferation and cell-cell fusion of endometrial carcinoma are induced by the human endogenous retroviral Syncytin-1 and regulated by TGF-beta. <b>2007</b> , 85, 23-38	109
1869	Activin receptor-like kinase 7 induces apoptosis of pancreatic beta cells and beta cell lines. <b>2006</b> , 49, 506-18	28
1868	Molecular cloning, expression and characterization of the zebrafish bram1 gene, a BMP receptor-associated molecule. <b>2006</b> , 13, 345-55	5
1867	PKB negatively modulates TGF- $\beta$ responsiveness in prostate carcinoma PC-3 cells through its interaction with Smad3. <b>2006</b> , 51, 1563-1570	
1866	The BMP type II receptor is located in lipid rafts, including caveolae, of pulmonary endothelium in vivo and in vitro. <b>2006</b> , 44, 50-9	45
1865	c-Jun N-terminal kinase upregulation as a key event in the proapoptotic interaction between transforming growth factor-beta1 and 4-hydroxynonenal in colon mucosa. <b>2006</b> , 41, 443-54	45
1864	Smad3 reduces susceptibility to hepatocarcinoma by sensitizing hepatocytes to apoptosis through downregulation of Bcl-2. <b>2006</b> , 9, 445-57	118

1863	Requirement of Smad3 for mast cell growth. <b>2006</b> , 240, 47-52	10
1862	TGF-beta1 expression in EL4 lymphoma cells overexpressing growth hormone. <b>2006</b> , 240, 22-30	9
1861	Cooperation of H2O2-mediated ERK activation with Smad pathway in TGF-beta1 induction of p21WAF1/Cip1. <b>2006</b> , 18, 236-43	40
1860	Involvement of p38 MAP kinase and Smad3 in TGF-beta-mediated mast cell functions. <b>2006</b> , 18, 2154-61	11
1859	Activin A-induced expression of PAX4 in AR42J-B13 cells involves the increase in transactivation of E47/E12. <b>2006</b> , 1759, 44-50	6
1858	Transcriptional regulation of mouse mast cell protease-7 by TGF-beta. <b>2006</b> , 1759, 166-70	11
1857	Regulation of Smad activities. <b>2006</b> , 1759, 503-13	65
1856	Identification of tocopherol-associated protein as an activin/TGF-beta-inducible gene in mast cells. <b>2006</b> , 1763, 900-6	6
1855	Developmental pattern of expression of BMP receptors and Smads and activation of Smad1 and Smad5 by BMP9 in mouse basal forebrain. <b>2006</b> , 1088, 49-56	33
1854	Molecular biology of colorectal cancer: new targets. <b>2006</b> , 33, S14-23	11
1853	Regulation of functional diversity within the Nedd4 family by accessory and adaptor proteins. <b>2006</b> , 28, 617-28	129
1852	Increased levels of transforming growth factor beta receptor type I and up-regulation of matrix gene program: A model of scleroderma. <b>2006</b> , 54, 3011-21	58
1851	Inhibition of SMAD2 expression prevents murine palatal fusion. <b>2006</b> , 235, 1785-93	18
1850	The control of chondrogenesis. <b>2006</b> , 97, 33-44	815
1849	TGF-beta2 stimulates cranial suture closure through activation of the Erk-MAPK pathway. <b>2006</b> , 98, 981-91	29
1848	Integrin signaling and cell spreading mediated by phorbol 12-myristate 13-acetate treatment. <b>2006</b> , 99, 88-95	16
1847	Modulation of amino acid uptake by TGF-beta in lung myofibroblasts. <b>2006</b> , 99, 71-8	2
1846	Pro-metastasis function of TGFbeta mediated by the Smad pathway. <b>2006</b> , 98, 1380-90	47



1845	SOCS-2 interferes with myotube formation and potentiates osteoblast differentiation through upregulation of JunB in C2C12 cells. <b>2006</b> , 207, 428-36	20
1844	Bone morphogenetic protein 7 is widely overexpressed in primary breast cancer. <b>2006</b> , 45, 411-9	55
1843	Acute myelogenous leukemia-derived SMAD4 mutations target the protein to ubiquitin-proteasome degradation. <b>2006</b> , 27, 897-905	23
1842	Loss of functional transforming growth factor (TGF)-beta type II receptor results in insensitivity to TGF-beta1-mediated apoptosis and Epstein-Barr virus reactivation. <b>2006</b> , 78, 1456-64	8
1841	Genetically modified bone morphogenetic protein signalling alters traumatic brain injury-induced gene expression responses in the adult mouse. <b>2006</b> , 84, 47-57	20
1840	Role of TGFbeta in skin inflammation and carcinogenesis. <b>2006</b> , 45, 389-96	51
1839	TGFbeta1-induced activation of ATM and p53 mediates apoptosis in a Smad7-dependent manner. <b>2006</b> , 5, 2787-95	49
1838	Endoglin modulation of TGF-beta1-induced collagen synthesis is dependent on ERK1/2 MAPK activation. <b>2006</b> , 18, 135-42	58
1837	Targeting fibrosis in systemic sclerosis. <b>2006</b> , 6, 395-400	18
1836	Prohibitin and cofilin are intracellular effectors of transforming growth factor beta signaling in human prostate cancer cells. <b>2006</b> , 66, 8640-7	86
1835	TGF-beta, T-cell tolerance and immunotherapy of autoimmune diseases and cancer. <b>2006</b> , 2, 257-65	10
1834	Activin inhibits the human Pit-1 gene promoter through the p38 kinase pathway in a Smad-independent manner. <b>2006</b> , 147, 4351-62	28
1833	Control of hepatic differentiation by activin/TGFbeta signaling. <b>2006</b> , 5, 168-71	62
1832	Smad3 differently affects osteoblast differentiation depending upon its differentiation stage. <b>2006</b> , 38, 740-5	34
1831	A novel vitamin D derivative activates bone morphogenetic protein signaling in MCF10 breast epithelial cells. <b>2006</b> , 69, 1840-8	16
1830	Deletion of Smad2 in mouse liver reveals novel functions in hepatocyte growth and differentiation. <b>2006</b> , 26, 654-67	129
1829	CDMP1/GDF5 has specific processing requirements that restrict its action to joint surfaces. <b>2006</b> , 281, 26725-33	18
1828	Innovative Perspektiven für das Tissue Engineering zur Therapie von Gelenkknorpeldefekten. <b>2006</b> , 7,	1

1827	Inhibition of transforming growth factor-beta1-induced signaling and epithelial-to-mesenchymal transition by the Smad-binding peptide aptamer Trx-SARA. <b>2006</b> , 17, 3819-31	60
1826	Upregulation of the Wnt/beta-catenin pathway induced by transforming growth factor-beta in hypertrophic scars and keloids. <b>2006</b> , 86, 300-7	144
1825	BMP signaling controls PASMCMV channel expression in vitro and in vivo. <b>2006</b> , 290, L841-8	54
1824	A role for TGF-beta signaling in neurodegeneration: evidence from genetically engineered models. <b>2006</b> , 3, 505-13	52
1823	The synthetic triterpenoid CDDO-imidazolide induces monocytic differentiation by activating the Smad and ERK signaling pathways in HL60 leukemia cells. <b>2006</b> , 5, 1452-8	40
1822	cAMP inhibits transforming growth factor-beta-stimulated collagen synthesis via inhibition of extracellular signal-regulated kinase 1/2 and Smad signaling in cardiac fibroblasts. <b>2006</b> , 70, 1992-2003	101
1821	Streptococcal modulation of cellular invasion via TGF-beta1 signaling. <b>2006</b> , 103, 2380-5	42
1820	Small C-terminal domain phosphatases dephosphorylate the regulatory linker regions of Smad2 and Smad3 to enhance transforming growth factor-beta signaling. <b>2006</b> , 281, 38365-75	82
1819	Inhibition of transforming growth factor-beta signaling in human cancer: targeting a tumor suppressor network as a therapeutic strategy. <b>2006</b> , 12, 4142-6	63
1818	Lens-specific expression of TGF-beta induces anterior subcapsular cataract formation in the absence of Smad3. <b>2006</b> , 47, 3450-60	55
1817	Adenoviral gene transfer of BMP-7, Id2, or Id3 suppresses injury-induced epithelial-to-mesenchymal transition of lens epithelium in mice. <b>2006</b> , 290, C282-9	59
1816	The tumor suppressor KLF11 mediates a novel mechanism in transforming growth factor beta-induced growth inhibition that is inactivated in pancreatic cancer. <b>2006</b> , 4, 861-72	39
1815	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1616-1620	
1814	Endoglin has a crucial role in blood cell-mediated vascular repair. <b>2006</b> , 114, 2288-97	114
1813	Preservation and expansion of the primate keratocyte phenotype by downregulating TGF-beta signaling in a low-calcium, serum-free medium. <b>2006</b> , 47, 1918-27	40
1812	Genomic analyses facilitate identification of receptors and signalling pathways for growth differentiation factor 9 and related orphan bone morphogenetic protein/growth differentiation factor ligands. <b>2006</b> , 12, 373-83	62
1811	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1609-1616	
1810	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1650-1655	1

1809	A "traffic control" role for TGFbeta3: orchestrating dermal and epidermal cell motility during wound healing. <b>2006</b> , 172, 1093-105	125
1808	Hereditary hemorrhagic telangiectasia, a vascular dysplasia affecting the TGF-beta signaling pathway. <b>2006</b> , 4, 66-78	109
1807	Endogenous transforming growth factor-beta receptor-mediated Smad signaling complexes analyzed by mass spectrometry. <b>2006</b> , 5, 1245-60	16
1806	Hedgehog-Gli Signaling in Human Disease. <b>2006</b> ,	10
1805	Regulation of Early Events in Cell Cycle Progression by Hedgehog Signaling in CNS Development and Tumorigenesis. <b>2006</b> , 187-209	
1804	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1603-1608	1
1803	In vivo and in vitro evidence for transforming growth factor-beta1-mediated epithelial to mesenchymal transition in esophageal adenocarcinoma. <b>2006</b> , 66, 9583-90	97
1802	Transforming growth factor-beta-induced expression of the apolipoprotein E gene requires c-Jun N-terminal kinase, p38 kinase, and casein kinase 2. <b>2006</b> , 26, 1323-9	45
1801	GDF15/MIC-1 functions as a protective and antihypertrophic factor released from the myocardium in association with SMAD protein activation. <b>2006</b> , 98, 342-50	337
1800	Association of polymorphisms of IGF1R and genes in the transforming growth factor- beta /bone morphogenetic protein pathway with bacteremia in sickle cell anemia. <b>2006</b> , 43, 593-8	45
1799	Differential roles of glycogen synthase kinase-3 isoforms in the regulation of transcriptional activation. <b>2006</b> , 281, 30479-84	99
1798	TGF beta inhibition for cancer therapy. <b>2006</b> , 6, 565-78	100
1797	Transforming growth factor-beta1-induced endothelial barrier dysfunction involves Smad2-dependent p38 activation and subsequent RhoA activation. <b>2006</b> , 101, 375-84	54
1796	Molecular Mechanisms of Basal Cell and Squamous Cell Carcinomas. <b>2006</b> ,	
1795	Systems theory of Smad signalling. <b>2006</b> , 153, 412-24	43
1794	HER2/Neu (ErbB2) signaling to Rac1-Pak1 is temporally and spatially modulated by transforming growth factor beta. <b>2006</b> , 66, 9591-600	93
1793	Reassessing epithelial to mesenchymal transition as a prerequisite for carcinoma invasion and metastasis. <b>2006</b> , 66, 8319-26	820
1792	Cellular heparan sulfate negatively modulates transforming growth factor-beta1 (TGF-beta1) responsiveness in epithelial cells. <b>2006</b> , 281, 11506-14	56

1791	Activation of TGF-beta1-TAK1-p38 MAPK pathway in spared cardiomyocytes is involved in left ventricular remodeling after myocardial infarction in rats. <b>2006</b> , 290, H709-15	97
1790	Oxidants selectively reverse TGF-beta suppression of proinflammatory mediator production. <b>2006</b> , 176, 1209-17	34
1789	Genetic analyses demonstrate that bone morphogenetic protein signaling is required for embryonic cerebellar development. <b>2006</b> , 26, 1896-905	50
1788	B cell-specific deficiency for Smad2 in vivo leads to defects in TGF-beta-directed IgA switching and changes in B cell fate. <b>2006</b> , 176, 2389-96	37
1787	Cell cycle-dependent phosphorylation of the RUNX2 transcription factor by cdc2 regulates endothelial cell proliferation. <b>2006</b> , 281, 7118-28	84
1786	RhoA modulates Smad signaling during transforming growth factor-beta-induced smooth muscle differentiation. <b>2006</b> , 281, 1765-70	119
1785	Bone morphogenetic protein 7 protects prostate cancer cells from stress-induced apoptosis via both Smad and c-Jun NH2-terminal kinase pathways. <b>2006</b> , 66, 4285-90	47
1784	Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. <b>2005</b> , 1620-1625	
1783	Transforming growth factor beta suppresses human telomerase reverse transcriptase (hTERT) by Smad3 interactions with c-Myc and the hTERT gene. <b>2006</b> , 281, 25588-600	95
1782	Transforming growth factor-beta promotes invasion in tumorigenic but not in nontumorigenic human prostatic epithelial cells. <b>2006</b> , 66, 8007-16	95
1781	GDF15, a cardioprotective TGF-beta superfamily protein. <b>2006</b> , 98, 294-7	108
1780	The pleiotropic roles of transforming growth factor beta in homeostasis and carcinogenesis of endocrine organs. <b>2006</b> , 13, 379-400	41
1779	Acute regulation of murine follicle-stimulating hormone beta subunit transcription by activin A. <b>2006</b> , 36, 201-20	63
1778	Overexpression of bone morphogenetic protein 10 in myocardium disrupts cardiac postnatal hypertrophic growth. <b>2006</b> , 281, 27481-91	43
1777	Src activation is not necessary for transforming growth factor (TGF)-beta-mediated epithelial to mesenchymal transitions (EMT) in mammary epithelial cells. PP1 directly inhibits TGF-beta receptors I and II. <b>2006</b> , 281, 59-68	32
1776	Smad Signal Transduction. <b>2006</b> ,	11
1775	Mutant p53 attenuates the SMAD-dependent transforming growth factor beta1 (TGF-beta1) signaling pathway by repressing the expression of TGF-beta receptor type II. <b>2007</b> , 27, 8228-42	61
1774	TGF-beta signaling alterations and susceptibility to colorectal cancer. <b>2007</b> , 16 Spec No 1, R14-20	175

1773	Genetic engineering for skeletal regenerative medicine. <b>2007</b> , 9, 87-119	29
1772	Bone morphogenetic protein 2 opposes Shh-mediated proliferation in cerebellar granule cells through a TIEG-1-based regulation of Nmyc. <b>2007</b> , 282, 37170-80	55
1771	TGF-beta-induced EMT: mechanisms and implications for fibrotic lung disease. <b>2007</b> , 293, L525-34	742
1770	A novel modulatory mechanism of transforming growth factor-beta signaling through decorin and LRP-1. <b>2007</b> , 282, 18842-50	101
1769	Mechanisms for asporin function and regulation in articular cartilage. <b>2007</b> , 282, 32185-92	111
1768	Endofin, a FYVE domain protein, interacts with Smad4 and facilitates transforming growth factor-beta signaling. <b>2007</b> , 282, 9688-9695	59
1767	Requirement for the dynein light chain km23-1 in a Smad2-dependent transforming growth factor-beta signaling pathway. <b>2007</b> , 282, 19122-32	29
1766	Biological cross-talk between WNK1 and the transforming growth factor beta-Smad signaling pathway. <b>2007</b> , 282, 17985-17996	50
1765	Repulsive guidance molecule RGMa alters utilization of bone morphogenetic protein (BMP) type II receptors by BMP2 and BMP4. <b>2007</b> , 282, 18129-18140	82
1764	Transforming growth factor-beta1 induces an epithelial-to-mesenchymal transition state in mouse hepatocytes in vitro. <b>2007</b> , 282, 22089-101	268
1763	Inhibition of transforming growth factor beta signaling reduces pancreatic adenocarcinoma growth and invasiveness. <b>2007</b> , 72, 152-61	99
1762	Transforming growth factor-beta1 represses E-cadherin production via slug expression in lens epithelial cells. <b>2007</b> , 48, 2708-18	81
1761	Sp1 is required for transforming growth factor-beta-induced mesenchymal transition and migration in pancreatic cancer cells. <b>2007</b> , 67, 1563-70	93
1760	Competition between Ski and CREB-binding protein for binding to Smad proteins in transforming growth factor-beta signaling. <b>2007</b> , 282, 11365-76	27
1759	Autophagy genes unc-51 and bec-1 are required for normal cell size in <i>Caenorhabditis elegans</i> . <b>2007</b> , 177, 655-60	31
1758	Cyclooxygenase-2 overexpression abrogates the antiproliferative effects of TGF-beta. <b>2007</b> , 97, 1388-92	9
1757	TGF-beta signaling in vascular fibrosis. <b>2007</b> , 74, 196-206	377
1756	Ectodysplasin has a dual role in ectodermal organogenesis: inhibition of Bmp activity and induction of Shh expression. <b>2007</b> , 134, 117-25	126

1755	The role of the activin system in keloid pathogenesis. <b>2007</b> , 292, C1331-8	42
1754	TGF-beta1 stimulates human AT1 receptor expression in lung fibroblasts by cross talk between the Smad, p38 MAPK, JNK, and PI3K signaling pathways. <b>2007</b> , 293, L790-9	66
1753	The regulation of FSHbeta transcription by gonadal steroids: testosterone and estradiol modulation of the activin intracellular signaling pathway. <b>2007</b> , 293, E277-85	22
1752	Phosphorylation of the cyclic AMP response element binding protein mediates transforming growth factor beta-induced downregulation of cyclin A in vascular smooth muscle cells. <b>2007</b> , 27, 3489-98	24
1751	Nox4 mediates TGF-beta1-induced retinoblastoma protein phosphorylation, proliferation, and hypertrophy in human airway smooth muscle cells. <b>2007</b> , 292, L1543-55	104
1750	TGF-beta signaling and its effect on glutaminase expression in LLC-PK1-FBPase+ cells. <b>2007</b> , 293, F846-53	11
1749	Dual role of SnoN in mammalian tumorigenesis. <b>2007</b> , 27, 324-39	84
1748	TGF-beta-regulated collagen type I accumulation: role of Src-based signals. <b>2007</b> , 292, C1361-9	57
1747	ERK signaling is a central regulator for BMP-4 dependent capillary sprouting. <b>2007</b> , 76, 390-9	69
1746	Activation of elastin transcription by transforming growth factor-beta in human lung fibroblasts. <b>2007</b> , 292, L944-52	59
1745	Prevention of cachexia-like syndrome development and reduction of tumor progression in inhibin-deficient mice following administration of a chimeric activin receptor type II-murine Fc protein. <b>2007</b> , 13, 675-83	58
1744	Specificity protein 1 and Smad-dependent regulation of human heme oxygenase-1 gene by transforming growth factor-beta1 in renal epithelial cells. <b>2007</b> , 293, F885-94	17
1743	Glycosaminoglycan synthesis and structure as targets for the prevention of calcific aortic valve disease. <b>2007</b> , 76, 19-28	44
1742	Tumor-specific efficacy of transforming growth factor-beta RI inhibition in Eker rats. <b>2007</b> , 13, 3087-99	58
1741	Interplay of PI3K and cAMP/PKA signaling, and rapamycin-hypersensitivity in TGFbeta1 enhancement of FSH-stimulated steroidogenesis in rat ovarian granulosa cells. <b>2007</b> , 192, 405-19	68
1740	The Delta intracellular domain mediates TGF-beta/Activin signaling through binding to Smads and has an important bi-directional function in the Notch-Delta signaling pathway. <b>2007</b> , 35, 912-22	62
1739	Transforming growth factor-beta1 suppresses airway hyperresponsiveness in allergic airway disease. <b>2007</b> , 176, 974-82	96
1738	TGF-beta receptor I conditional knockout mice develop spontaneous squamous cell carcinoma. <b>2007</b> , 6, 1360-6	28

1737	Hypoxia induces alteration of bone morphogenetic protein receptor signaling in pulmonary artery endothelial cell. <b>2007</b> , 61, 392-7	21
1736	Activin A decreases glucagon and arx gene expression in alpha-cell lines. <b>2007</b> , 21, 259-73	20
1735	SMAD3 regulates gonadal tumorigenesis. <b>2007</b> , 21, 2472-86	67
1734	Skin involvement in scleroderma--where histological and clinical scores meet. <b>2007</b> , 46, 833-41	99
1733	Targeting signal transduction in pancreatic cancer treatment. <b>2007</b> , 11, 673-94	43
1732	Current and emerging drugs for idiopathic pulmonary fibrosis. <b>2007</b> , 12, 627-46	19
1731	Growth factors and heme oxygenase-1: perspectives in physiology and pathophysiology. <b>2007</b> , 9, 2197-207	14
1730	Comparative roles of Twist-1 and Id1 in transcriptional regulation by BMP signaling. <b>2007</b> , 120, 1350-7	85
1729	Mutations in the BMP pathway in mice support the existence of two molecular classes of holoprosencephaly. <b>2007</b> , 134, 3789-94	80
1728	Bone morphogenetic protein-6 enhances gonadotrophin-dependent progesterone and inhibin secretion and expression of mRNA transcripts encoding gonadotrophin receptors and inhibin/activin subunits in chicken granulosa cells. <b>2007</b> , 134, 293-306	23
1727	Localization of TGF-beta signaling intermediates Smad2, 3, 4, and 7 in developing and mature human and mouse kidney. <b>2007</b> , 55, 275-85	23
1726	Bone morphogenetic protein 2 and activin A synergistically stimulate follicle-stimulating hormone beta subunit transcription. <b>2007</b> , 38, 315-30	50
1725	The role of Dpp and its inhibitors during eggshell patterning in Drosophila. <b>2007</b> , 134, 2261-71	39
1724	The interaction of endoglin with beta-arrestin2 regulates transforming growth factor-beta-mediated ERK activation and migration in endothelial cells. <b>2007</b> , 282, 21507-17	70
1723	SMAD3 prevents binding of NKX2.1 and FOXA1 to the SpB promoter through its MH1 and MH2 domains. <b>2008</b> , 36, 179-88	29
1722	Role of transforming growth factor beta in rat bladder smooth muscle cell proliferation. <b>2007</b> , 322, 117-22	12
1721	The coding polymorphism T263I in TGF-beta1 is associated with otosclerosis in two independent populations. <b>2007</b> , 16, 2021-30	67
1720	Activin regulates estrogen receptor gene expression in the mouse ovary. <b>2007</b> , 282, 36755-65	51

1719	Negative regulation of Activin/Nodal signaling by SRF during <i>Xenopus</i> gastrulation. <b>2007</b> , 134, 769-77	16
1718	Activation of Mps1 promotes transforming growth factor-beta-independent Smad signaling. <b>2007</b> , 282, 18327-18338	53
1717	Smad4 is required for maintaining normal murine postnatal bone homeostasis. <b>2007</b> , 120, 2162-70	95
1716	Arkadia induces degradation of SnoN and c-Ski to enhance transforming growth factor-beta signaling. <b>2007</b> , 282, 20492-501	129
1715	Methods for identifying novel integrin ligands. <b>2007</b> , 426, 223-37	6
1714	Sonic hedgehog signaling promotes motility and invasiveness of gastric cancer cells through TGF-beta-mediated activation of the ALK5-Smad 3 pathway. <b>2008</b> , 29, 480-90	129
1713	Reversible Smad-dependent signaling between tumor suppression and oncogenesis. <b>2007</b> , 67, 5090-6	115
1712	Beta-catenin/LEF-1 signalling in breast cancer--central players activated by a plethora of inputs. <b>2007</b> , 185, 51-60	16
1711	Neurotrophins - More than Neurotrophic. <b>2007</b> , 3, 189-215	6
1710	A novel regulatory mechanism of the bone morphogenetic protein (BMP) signaling pathway involving the carboxyl-terminal tail domain of BMP type II receptor. <b>2007</b> , 27, 5776-89	104
1709	Smad7 antagonizes transforming growth factor beta signaling in the nucleus by interfering with functional Smad-DNA complex formation. <b>2007</b> , 27, 4488-99	196
1708	Local production of sex hormones and their modulation of hippocampal synaptic plasticity. <b>2007</b> , 13, 323-34	57
1707	Presynaptic contributions of chordin to hippocampal plasticity and spatial learning. <b>2007</b> , 27, 7740-50	47
1706	Transforming growth factor-beta promotes survival of mammary carcinoma cells through induction of antiapoptotic transcription factor DEC1. <b>2007</b> , 67, 9694-703	82
1705	Smad4-independent TGF-beta signaling in tumor cell migration. <b>2007</b> , 185, 123-30	47
1704	Mutations in the gene encoding filamin A as a cause for familial cardiac valvular dystrophy. <b>2007</b> , 115, 40-9	205
1703	Trans-differentiation of alveolar epithelial type II cells to type I cells involves autocrine signaling by transforming growth factor beta 1 through the Smad pathway. <b>2007</b> , 282, 3968-76	64
1702	Transforming Growth Factor- $\beta$ and Cancer. <b>2007</b> ,	



1701	Expression of connective tissue growth factor in pancreatic cancer cell lines. <b>2007</b> , 31, 693	3
1700	Transforming growth factor-beta1 decreases cardiac muscle L-type Ca <sup>2+</sup> current and charge movement by acting on the Cav1.2 mRNA. <b>2007</b> , 292, H622-31	35
1699	Glucosamine regulates differentiation of a chondrogenic cell line, ATDC5. <b>2007</b> , 30, 433-8	10
1698	Effects of epigallocatechin gallate on diethyldithiocarbamate-induced pancreatic fibrosis in rats. <b>2007</b> , 30, 1091-6	19
1697	Activin A as a critical mediator of capillary formation: interaction with the fibroblast growth factor action. <b>2007</b> , 54, 311-8	15
1696	Mice develop normally in the absence of Smad4 nucleocytoplasmic shuttling. <b>2007</b> , 404, 235-45	15
1695	Identification of BMP9 and BMP10 as functional activators of the orphan activin receptor-like kinase 1 (ALK1) in endothelial cells. <b>2007</b> , 109, 1953-61	508
1694	Transforming growth factor-beta, Smad, and collagen expression patterns in fetal and adult keratinocytes. <b>2007</b> , 119, 852-7	16
1693	Keratinocytes modulate fetal and postnatal fibroblast transforming growth factor-beta and Smad expression in co-culture. <b>2007</b> , 119, 1440-1445	21
1692	Targeting neurotrophic/growth factor expression and signaling for antidepressant drug development. <b>2007</b> , 6, 151-60	48
1691	Increased CCN2 transcription in keloid fibroblasts requires cooperativity between AP-1 and SMAD binding sites. <b>2007</b> , 246, 886-95	32
1690	Transforming growth factor-beta following skeletal muscle strain injury in rats. <b>2007</b> , 102, 755-61	55
1689	Re-employment of developmental transcription factors in adult heart disease. <b>2007</b> , 18, 117-31	145
1688	Transcriptional repressor and activator activities of SMA-9 contribute differentially to BMP-related signaling outputs. <b>2007</b> , 305, 714-25	37
1687	TGFbeta receptor saxophone non-autonomously regulates germline proliferation in a Smox/dSmad2-dependent manner in Drosophila testis. <b>2007</b> , 309, 70-7	30
1686	Vg1 has specific processing requirements that restrict its action to body axis patterning centers. <b>2007</b> , 310, 129-39	2
1685	Smad4 is required to regulate the fate of cranial neural crest cells. <b>2007</b> , 312, 435-47	62
1684	Cdh1-anaphase-promoting complex targets Skp2 for destruction in transforming growth factor beta-induced growth inhibition. <b>2007</b> , 27, 2967-79	43

1683	Tgf-Beta signaling in development. <b>2007</b> , 2007, cm1	135
1682	Differential significance of tumour infiltrating lymphocytes in sporadic mismatch repair deficient versus proficient colorectal cancers: a potential role for dysregulation of the transforming growth factor-beta pathway. <b>2007</b> , 43, 624-31	51
1681	Trichostatin A blocks TGF-beta-induced collagen gene expression in skin fibroblasts: involvement of Sp1. <b>2007</b> , 354, 420-6	82
1680	Cross-talk between Smad and p38 MAPK signalling in transforming growth factor beta signal transduction in human glioblastoma cells. <b>2007</b> , 354, 1101-6	46
1679	Deficient Alk3-mediated BMP signaling causes prenatal omphalocele-like defect. <b>2007</b> , 360, 238-43	17
1678	Inhibition of RhoA/Rho-kinase pathway suppresses the expression of type I collagen induced by TGF-beta2 in human retinal pigment epithelial cells. <b>2007</b> , 84, 464-72	48
1677	TGFbeta isoform dependent Smad2/3 kinetics in human lens epithelial cells: a Cellomics analysis. <b>2007</b> , 84, 1009-12	12
1676	Smad3 null mice display more rapid wound closure and reduced scar formation after a stab wound to the cerebral cortex. <b>2007</b> , 203, 168-84	69
1675	Foxp3 transcription-factor-dependent and -independent regulation of the regulatory T cell transcriptional signature. <b>2007</b> , 27, 786-800	474
1674	Advances in Runx2 regulation and its isoforms. <b>2007</b> , 68, 169-75	48
1673	Balancing BMP signaling through integrated inputs into the Smad1 linker. <b>2007</b> , 25, 441-54	333
1672	TGF-beta 1 inhibition of IFN-gamma-induced signaling and Th1 gene expression in CD4+ T cells is Smad3 independent but MAP kinase dependent. <b>2007</b> , 44, 3283-90	27
1671	Lower expression levels of the transforming growth factor beta receptor type II protein are associated with a less aggressive tumor phenotype and improved survival among patients with clear cell renal cell carcinoma. <b>2007</b> , 38, 453-61	10
1670	TGF-beta suppresses POEM expression through ERK1/2 and JNK in osteoblasts. <b>2007</b> , 581, 5321-6	19
1669	Transforming growth factor beta (TGFbeta) and keloid disease. <b>2007</b> , 5, 278-85	94
1668	TGFbeta as a potential mediator of progesterone action in the mammary gland of pregnancy. <b>2007</b> , 12, 249-57	8
1667	FR-167653, a selective p38 MAPK inhibitor, exerts salutary effect on liver cirrhosis through downregulation of Runx2. <b>2007</b> , 87, 591-601	15
1666	Termination of TGF-beta superfamily signaling through SMAD dephosphorylation--a functional genomic view. <b>2007</b> , 34, 1-9	11

1665	Altered gene expression in articular chondrocytes of Smad3(ex8/ex8) mice, revealed by gene profiling using microarrays. <b>2007</b> , 34, 698-708	3
1664	Genetics and mediators in pulmonary arterial hypertension. <b>2007</b> , 28, 43-57, vii-viii	41
1663	Cell size and invasion in TGF-beta-induced epithelial to mesenchymal transition is regulated by activation of the mTOR pathway. <b>2007</b> , 178, 437-51	445
1662	Transforming growth factor-beta and the immune response: implications for anticancer therapy. <b>2007</b> , 13, 5262-70	347
1661	The role of TGF-beta signaling in myocardial infarction and cardiac remodeling. <b>2007</b> , 74, 184-95	676
1660	Molecular biology of bone metastasis. <b>2007</b> , 6, 2609-17	348
1659	Basics of TGF-beta and pancreatic cancer. <b>2007</b> , 7, 423-35	123
1658	Defective expression of transforming growth factor beta type II receptor (TGFB2) in the large cell variant of non-small cell lung carcinoma. <b>2007</b> , 58, 36-43	13
1657	Role of CAGA boxes in the plasminogen activator inhibitor-1 promoter in mediating oxidized low-density lipoprotein-induced transcriptional activation in mesangial cells. <b>2007</b> , 150, 180-8	4
1656	Controversy surrounding the increased expression of TGF beta 1 in asthma. <b>2007</b> , 8, 66	34
1655	On the role of transforming growth factor-beta in the growth inhibitory effects of retinoic acid in human pancreatic cancer cells. <b>2007</b> , 6, 82	26
1654	Endogenous TGF-beta activation by reactive oxygen species is key to Foxp3 induction in TCR-stimulated and HIV-1-infected human CD4+CD25- T cells. <b>2007</b> , 4, 57	64
1653	A novel role of transforming growth factor beta1 in transcriptional repression of human cholesterol 7alpha-hydroxylase gene. <b>2007</b> , 133, 1660-9	36
1652	Absence of Smad3 confers radioprotection through modulation of ERK-MAPK in primary dermal fibroblasts. <b>2007</b> , 48, 35-42	13
1651	Multiple transforming growth factor-beta isoforms and receptors function during epithelial-mesenchymal cell transformation in the embryonic heart. <b>2007</b> , 185, 146-56	119
1650	TGF-beta in renal injury and disease. <b>2007</b> , 27, 309-20	281
1649	Complexity in interpretation of embryonic epithelial-mesenchymal transition in response to transforming growth factor-beta signaling. <b>2007</b> , 185, 131-45	26
1648	Activin increases the number of synaptic contacts and the length of dendritic spine necks by modulating spinal actin dynamics. <b>2007</b> , 120, 3830-7	46

1647	Transforming growth factor-beta and fibrosis. <b>2007</b> , 13, 3056-62	360
1646	Smad3 -signalling and Th2 cytokines in normal mouse airways and in a mouse model of asthma. <b>2007</b> , 3, 477-85	21
1645	Transforming Growth Factor- $\beta$ and the Endothelium. 304-323	
1644	The Influence of Dietary Salt Intake on Endothelial Cell Function. 1287-1293	
1643	Update on the Chondrocyte Lineage and Implications for Cell Therapy in Osteoarthritis. <b>2007</b> , 53-76	2
1642	Presynaptic Terminal Differentiation. <b>2007</b> , 75-94	
1641	Epithelial to mesenchymal transition in the progression of tubulointerstitial fibrosis. <b>2007</b> , 120, 1925-1930	34
1640	Deconstructing digit chondrogenesis. <b>2007</b> , 29, 725-37	22
1639	Late-breaking news from the "4th International Meeting on Inflammatory Bowel Diseases" Capri, 2006. <b>2007</b> , 13, 1031-50	1
1638	Antitumor activity of ALK1 in pancreatic carcinoma cells. <b>2007</b> , 120, 1641-51	9
1637	Colorectal cancer cells express functional cell surface-bound TGFbeta. <b>2008</b> , 122, 1695-700	5
1636	Elevation of transforming growth factor beta (TGFbeta) and its downstream mediators in subcutaneous foreign body capsule tissue. <b>2007</b> , 82, 498-508	30
1635	In vitro and in vivo osteoblastic differentiation of BMP-2- and Runx2-engineered skeletal myoblasts. <b>2007</b> , 100, 1324-36	25
1634	A delicate balance: TGF-beta and the tumor microenvironment. <b>2007</b> , 101, 851-61	109
1633	The TGFbeta/Smad 3-signaling pathway is involved in butyrate-mediated vitamin D receptor (VDR)-expression. <b>2007</b> , 102, 1420-31	21
1632	Reduced chondrogenic potential of adipose tissue derived stromal cells correlates with an altered TGFbeta receptor and BMP profile and is overcome by BMP-6. <b>2007</b> , 211, 682-91	274
1631	Sprouty2 downregulation plays a pivotal role in mediating crosstalk between TGF-beta1 signaling and EGF as well as FGF receptor tyrosine kinase-ERK pathways in mesenchymal cells. <b>2007</b> , 212, 796-806	33
1630	Activin receptor-like kinase 1 inhibits human microvascular endothelial cell migration: potential roles for JNK and ERK. <b>2007</b> , 213, 484-9	60

1629	Functional role of transforming growth factor-beta type III receptor during palatal fusion. <b>2007</b> , 236, 791-801	29
1628	Inhibitory effects and target genes of bone morphogenetic protein 6 in Jurkat TAg cells. <b>2007</b> , 37, 2937-48	35
1627	Chronic inflammation associated with hepatitis C virus infection perturbs hepatic transforming growth factor beta signaling, promoting cirrhosis and hepatocellular carcinoma. <b>2007</b> , 46, 48-57	236
1626	Transforming growth factor-beta1 suppresses hepatitis B virus replication primarily through transcriptional inhibition of pregenomic RNA. <b>2007</b> , 46, 672-81	34
1625	Novel microdeletion in the transforming growth factor beta type II receptor gene is associated with giant and large cell variants of nonsmall cell lung carcinoma. <b>2007</b> , 46, 192-201	13
1624	Small bowel carcinoid (enterochromaffin cell) neoplasia exhibits transforming growth factor-beta1-mediated regulatory abnormalities including up-regulation of C-Myc and MTA1. <b>2007</b> , 109, 2420-31	45
1623	Transforming growth factor-beta: innately bipolar. <b>2007</b> , 19, 55-62	127
1622	Virus-based gene therapy strategies for bone regeneration. <b>2007</b> , 28, 211-29	96
1621	Low concentrations of transforming growth factor-beta-1 induce tubulogenesis in cultured mammary epithelial cells. <b>2007</b> , 7, 7	23
1620	Characterization of novel transforming growth factor-beta type I receptors found in malignant pleural effusion tumor cells. <b>2007</b> , 8, 72	3
1619	Microsatellite unstable colorectal cancer cell lines with truncating TGFbetaRII mutations remain sensitive to endogenous TGFbeta. <b>2007</b> , 213, 257-65	13
1618	Prostate-derived factor as a paracrine and autocrine factor for the proliferation of androgen receptor-positive human prostate cancer cells. <b>2007</b> , 67, 557-71	61
1617	Crk-associated substrate lymphocyte type regulates transforming growth factor-beta signaling by inhibiting Smad6 and Smad7. <b>2007</b> , 26, 893-904	19
1616	Upregulation of two BH3-only proteins, Bmf and Bim, during TGF beta-induced apoptosis. <b>2007</b> , 26, 970-81	94
1615	ALK5 promotes tumor angiogenesis by upregulating matrix metalloproteinase-9 in tumor cells. <b>2007</b> , 26, 2407-22	74
1614	Dissecting the role of TGF-beta type I receptor/ALK5 in pancreatic ductal adenocarcinoma: Smad activation is crucial for both the tumor suppressive and prometastatic function. <b>2007</b> , 26, 4850-62	44
1613	'Yin-Yang' functions of transforming growth factor-beta and T regulatory cells in immune regulation. <b>2007</b> , 220, 199-213	263
1612	Cell polarity in development and cancer. <b>2007</b> , 9, 1016-24	276

1611	TGF-beta activates Erk MAP kinase signalling through direct phosphorylation of ShcA. <b>2007</b> , 26, 3957-67	407
1610	Formation and function of the myofibroblast during tissue repair. <b>2007</b> , 127, 526-37	1061
1609	The role of versican isoforms V0/V1 in glioma migration mediated by transforming growth factor-beta2. <b>2007</b> , 96, 1560-8	81
1608	The differential regulation of Smad7 in kidney tubule cells by connective tissue growth factor and transforming growth factor-beta1. <b>2007</b> , 12, 267-74	14
1607	Keratinocyte regulation of TGF-beta and connective tissue growth factor expression: a role in suppression of scar tissue formation. <b>2007</b> , 15, 748-55	39
1606	Live imaging of Smad2/3 signaling in mouse skin wound healing. <b>2007</b> , 15, 762-6	11
1605	Genetic analysis of FAM46A in Spanish families with autosomal recessive retinitis pigmentosa: characterisation of novel VNTRs. <b>2008</b> , 72, 26-34	26
1604	Specificity in the crosstalk of TGFbeta/GDNF family members is determined by distinct GFR alpha receptors. <b>2007</b> , 103, 2491-504	21
1603	Effect of TGF-beta/Smad signaling pathway on lung myofibroblast differentiation. <b>2007</b> , 28, 382-91	120
1602	Genes involved in TGF beta1-driven epithelial-mesenchymal transition of renal epithelial cells are topologically related in the human interactome map. <b>2007</b> , 8, 383	16
1601	Expression profiling of genes regulated by TGF-beta: differential regulation in normal and tumour cells. <b>2007</b> , 8, 98	84
1600	The anticancer agent prodigiosin induces p21WAF1/CIP1 expression via transforming growth factor-beta receptor pathway. <b>2007</b> , 74, 1340-9	38
1599	Protective effect of bone morphogenetic protein-6 on neurons from H2O2 injury. <b>2007</b> , 1163, 10-20	11
1598	High TGFbeta-Smad activity confers poor prognosis in glioma patients and promotes cell proliferation depending on the methylation of the PDGF-B gene. <b>2007</b> , 11, 147-60	386
1597	Kras(G12D) and Smad4/Dpc4 haploinsufficiency cooperate to induce mucinous cystic neoplasms and invasive adenocarcinoma of the pancreas. <b>2007</b> , 11, 229-43	289
1596	Combinatorial activation of FAK and AKT by transforming growth factor-beta1 confers an anoikis-resistant phenotype to myofibroblasts. <b>2007</b> , 19, 761-71	195
1595	BMP-induced growth suppression in colon cancer cells is mediated by p21WAF1 stabilization and modulated by RAS/ERK. <b>2007</b> , 19, 1465-72	54
1594	Schistosoma mansoni: TGF-beta signaling pathways. <b>2007</b> , 117, 304-17	70

1593	Temporal expression of the transforming growth factor-Beta pathway in the rabbit ear model of wound healing and scarring. <b>2007</b> , 205, 78-88	63
1592	Alterations in the transforming growth factor (TGF)-beta pathway as a potential factor in the pathogenesis of Peyronie's disease. <b>2007</b> , 51, 255-61	52
1591	Expression of the TGF-beta/BMP inhibitor EVI1 in human dental pulp cells. <b>2007</b> , 52, 712-9	8
1590	Monocrotaline pyrrole induces Smad nuclear accumulation and altered signaling expression in human pulmonary arterial endothelial cells. <b>2007</b> , 46, 439-48	18
1589	Regulation of TGF-beta1/MAPK-mediated PAI-1 gene expression by the actin cytoskeleton in human mesangial cells. <b>2007</b> , 313, 1240-50	32
1588	Abrogation of TGFbeta signaling induces apoptosis through the modulation of MAP kinase pathways in breast cancer cells. <b>2007</b> , 313, 1687-95	18
1587	Genetic and epigenetic mechanisms of gene regulation during lens development. <b>2007</b> , 26, 555-97	126
1586	Transforming growth factor-beta: what every pancreatic surgeon should know. <b>2007</b> , 141, 1-6	12
1585	TGF-beta and osteoarthritis. <b>2007</b> , 15, 597-604	279
1584	Modulation of TGF-beta signaling by proinflammatory cytokines in articular chondrocytes. <b>2007</b> , 15, 1367-77	94
1583	Synergistic effects of Nell-1 and BMP-2 on the osteogenic differentiation of myoblasts. <b>2007</b> , 22, 918-30	59
1582	The effect of TGF- $\beta$ 1 and Smad7 gene transfer on the phenotypic changes of rat alveolar epithelial cells. <b>2007</b> , 12, 457-72	12
1581	A cytokine-mediated link between innate immunity, inflammation, and cancer. <b>2007</b> , 117, 1175-83	1363
1580	TGF-beta1 induction of p21WAF1/cip1 requires smad-independent protein kinase C signaling pathway. <b>2007</b> , 30, 739-42	6
1579	New insights into the pathogenesis and treatment of idiopathic pulmonary fibrosis: a potential role for stem cells in the lung parenchyma and implications for therapy. <b>2007</b> , 24, 819-41	79
1578	Human TIEG2/KLF11 induces oligodendroglial cell death by downregulation of Bcl-XL expression. <b>2007</b> , 114, 867-75	22
1577	TGFbeta1 expression in colonic mucosa: modulation by dietary lipids. <b>2007</b> , 2, 233-43	7
1576	Stem cells and the stem cell niche in the breast: an integrated hormonal and developmental perspective. <b>2007</b> , 3, 147-56	75

1575	Chymase induces profibrotic response via transforming growth factor-beta 1/Smad activation in rat cardiac fibroblasts. <b>2008</b> , 310, 159-66	63
1574	TGF-beta and regulatory T cell in immunity and autoimmunity. <b>2008</b> , 28, 647-59	130
1573	Effects of TGFbeta1 on gene expression in the HP75 human pituitary tumor cell line identified by gene expression profiling. <b>2008</b> , 33, 62-76	24
1572	The TGFbeta pathway as a therapeutic target in cancer. <b>2008</b> , 10, 14-9	43
1571	Expression profiling of senescent-associated genes in human dermis from young and old donors. Proof-of-concept study. <b>2008</b> , 9, 197-208	10
1570	Genes in congenital heart disease: atrioventricular valve formation. <b>2008</b> , 103, 216-27	42
1569	Impact of rapamycin on liver regeneration. <b>2008</b> , 452, 545-57	34
1568	TGF-beta in neural stem cells and in tumors of the central nervous system. <b>2008</b> , 331, 225-41	81
1567	BMP4 signaling regulates formation of Hertwig's epithelial root sheath during tooth root development. <b>2008</b> , 333, 503-9	53
1566	TGF-beta superfamily members, ActivinA and TGF-beta1, induce apoptosis in oligodendrocytes by different pathways. <b>2008</b> , 334, 327-38	17
1565	Loss of transforming growth factor-beta 2 leads to impairment of central synapse function. <b>2008</b> , 3, 25	39
1564	Dominant negative Bmp5 mutation reveals key role of BMPs in skeletal response to mechanical stimulation. <b>2008</b> , 8, 35	22
1563	Bone morphogenetic proteins in tissue engineering: the road from the laboratory to the clinic, part I (basic concepts). <b>2008</b> , 2, 1-13	245
1562	TGF-beta signaling and androgen receptor status determine apoptotic cross-talk in human prostate cancer cells. <b>2008</b> , 68, 287-95	41
1561	BMP-6 over-expression in prostate cancer is associated with increased Id-1 protein and a more invasive phenotype. <b>2008</b> , 214, 394-404	51
1560	Bone morphogenetic proteins 4, 6, and 7 are up-regulated in mouse spinal cord during experimental autoimmune encephalomyelitis. <b>2008</b> , 86, 125-35	68
1559	The bone morphogenetic protein pathway is active in human colon adenomas and inactivated in colorectal cancer. <b>2008</b> , 112, 300-6	64
1558	Expression and function of BMP3 during chick limb development. <b>2008</b> , 237, 1691-8	30



1557	Generation of mice with conditionally activated transforming growth factor beta signaling through the TbetaRI/ALK5 receptor. <b>2008</b> , 46, 724-31	32
1556	Estrogen receptor beta deficiency enhances small intestinal tumorigenesis in ApcMin/+ mice. <b>2008</b> , 123, 303-311	60
1555	Bone morphogenetic protein 6 inhibit stress-induced breast cancer cells apoptosis via both Smad and p38 pathways. <b>2008</b> , 103, 1584-97	30
1554	TGF-beta inhibits prolactin-induced expression of beta-casein by a Smad3-dependent mechanism. <b>2008</b> , 104, 1647-59	11
1553	Regulatory expression of Brachyury and Goosecoid in P19 embryonal carcinoma cells. <b>2008</b> , 105, 801-13	4
1552	Identification of the gene transcription and apoptosis mediated by TGF-beta-Smad2/3-Smad4 signaling. <b>2008</b> , 215, 422-33	46
1551	Sox9, a key transcription factor of bone morphogenetic protein-2-induced chondrogenesis, is activated through BMP pathway and a CCAAT box in the proximal promoter. <b>2008</b> , 217, 228-41	108
1550	TGF-beta induces connexin43 gene expression in normal murine mammary gland epithelial cells via activation of p38 and PI3K/AKT signaling pathways. <b>2008</b> , 217, 759-68	40
1549	Molecular ablation of transforming growth factor beta signaling pathways by tyrosine kinase inhibition: the coming of a promising new era in the treatment of tissue fibrosis. <b>2008</b> , 58, 2219-24	24
1548	Decreased expression of caveolin 1 in patients with systemic sclerosis: crucial role in the pathogenesis of tissue fibrosis. <b>2008</b> , 58, 2854-65	137
1547	Regulation of cartilage formation and maturation by mitogen-activated protein kinase signaling. <b>2008</b> , 84, 131-54	60
1546	Involvement of the TGF-beta and mTOR/p70S6Kinase pathways in the transformation process induced by v-ErbA. <b>2008</b> , 32, 1878-88	7
1545	MH1 domain of SMAD4 binds N-terminal residues of the homeodomain of Hoxc9. <b>2008</b> , 1784, 747-52	11
1544	Regulation and function of proinflammatory TH17 cells. <b>2008</b> , 1143, 188-211	143
1543	Doubly truncated FosB isoform (Delta2DeltaFosB) induces osteosclerosis in transgenic mice and modulates expression and phosphorylation of Smads in osteoblasts independent of intrinsic AP-1 activity. <b>2008</b> , 23, 584-95	27
1542	Identification of PCTA, a TGIF antagonist that promotes PML function in TGF-beta signalling. <b>2008</b> , 27, 1804-15	29
1541	IKKalpha, a critical regulator of epidermal differentiation and a suppressor of skin cancer. <b>2008</b> , 27, 2639-47	70
1540	An Id-like molecule, HHM, is a synexpression group-restricted regulator of TGF-beta signalling. <b>2008</b> , 27, 2955-65	44

1539	VE-cadherin is a critical endothelial regulator of TGF-beta signalling. <b>2008</b> , 27, 993-1004	126
1538	Akt blockade downregulates collagen and upregulates MMP1 in human dermal fibroblasts. <b>2008</b> , 128, 1906-14	56
1537	Smad3 knockout mice exhibit impaired intestinal mucosal healing. <b>2008</b> , 88, 1101-9	34
1536	Imbalance between pSmad3 and Notch induces CDK inhibitors in old muscle stem cells. <i>Nature</i> , <b>2008</b> , 454, 528-32	50.4 362
1535	Ligand release-independent transactivation of epidermal growth factor receptor by transforming growth factor-beta involves multiple signaling pathways. <b>2008</b> , 27, 614-28	45
1534	Fibroblast growth factor-2 mediates transforming growth factor-beta action in prostate cancer reactive stroma. <b>2008</b> , 27, 450-9	70
1533	Microglia-derived TGF-beta as an important regulator of glioblastoma invasion--an inhibition of TGF-beta-dependent effects by shRNA against human TGF-beta type II receptor. <b>2008</b> , 27, 918-30	181
1532	TAK1 is required for TGF-beta 1-mediated regulation of matrix metalloproteinase-9 and metastasis. <b>2008</b> , 27, 1198-207	71
1531	Rb/E2F4 and Smad2/3 link survivin to TGF-beta-induced apoptosis and tumor progression. <b>2008</b> , 27, 5326-38	53
1530	Targeting WW domains linker of HECT-type ubiquitin ligase Smurf1 for activation by CKIP-1. <b>2008</b> , 10, 994-1002	134
1529	The type I TGF-beta receptor engages TRAF6 to activate TAK1 in a receptor kinase-independent manner. <b>2008</b> , 10, 1199-207	425
1528	Activation of TGF-beta/activin signalling resets the circadian clock through rapid induction of Dec1 transcripts. <b>2008</b> , 10, 1463-9	100
1527	Integrin alpha3beta1 potentiates TGFbeta-mediated induction of MMP-9 in immortalized keratinocytes. <b>2008</b> , 128, 575-86	34
1526	Adult stem cell maintenance and tissue regeneration in the ageing context: the role for A-type lamins as intrinsic modulators of ageing in adult stem cells and their niches. <b>2008</b> , 213, 5-25	58
1525	Glutamate activates GFAP gene promoter from cultured astrocytes through TGF-beta1 pathways. <b>2008</b> , 106, 746-56	56
1524	Correlation of transforming growth factor beta-1 gene polymorphisms C-509T and T869C and the risk of gastric cancer in China. <b>2008</b> , 23, 638-42	21
1523	Understanding the role of transforming growth factor-beta signalling in the heart: overview of studies using genetic mouse models. <b>2008</b> , 35, 335-41	30
1522	Regulation of TGF-beta family signaling by E3 ubiquitin ligases. <b>2008</b> , 99, 2107-12	182

1521	Transforming growth factor-beta/Smad3 signalling regulates inflammatory responses in a murine model of contact hypersensitivity. <b>2008</b> , 159, 546-54	27
1520	Transforming growth factor-beta1 regulates the fate of cultured spinal cord-derived neural progenitor cells. <b>2008</b> , 41, 248-64	29
1519	Prevention of colonic fibrosis by Boswellia and Scutellaria extracts in rats with colitis induced by 2,4,5-trinitrobenzene sulphonic acid. <b>2008</b> , 38, 410-20	37
1518	Aging of signal transduction pathways, and pathology. <b>2008</b> , 314, 1951-61	62
1517	Divergent mechanisms underlie Smad4-mediated positive regulation of the three genes encoding the basement membrane component laminin-332 (laminin-5). <b>2008</b> , 8, 215	11
1516	Dynamic control of TGF-beta signaling and its links to the cytoskeleton. <b>2008</b> , 582, 2051-65	78
1515	The functional implications of Akt activity and TGF-beta signaling in tamoxifen-resistant breast cancer. <b>2008</b> , 1783, 438-47	22
1514	Transforming growth factor-beta inhibits telomerase through SMAD3 and E2F transcription factors. <b>2008</b> , 20, 50-9	52
1513	To (TGF)beta or not to (TGF)beta: fine-tuning of Smad signaling via post-translational modifications. <b>2008</b> , 20, 1579-91	39
1512	ERK5/MAPK is activated by TGFbeta in hepatocytes and required for the GSK-3beta-mediated Snail protein stabilization. <b>2008</b> , 20, 2113-8	34
1511	Fluvastatin decreases cardiac fibrosis possibly through regulation of TGF-beta(1)/Smad 7 expression in the spontaneously hypertensive rats. <b>2008</b> , 587, 196-203	33
1510	Doxorubicin inhibits TGF-beta signaling in human lung carcinoma A549 cells. <b>2008</b> , 590, 67-73	20
1509	The immunobiology of systemic sclerosis. <b>2008</b> , 38, 132-60	119
1508	Subchronic effects of valproic acid on gene expression profiles for lipid metabolism in mouse liver. <b>2008</b> , 226, 271-84	38
1507	Endoglin-mediated vascular remodeling: mechanisms underlying hereditary hemorrhagic telangiectasia. <b>2008</b> , 18, 25-32	57
1506	TGF-beta 1 protects against Abeta-neurotoxicity via the phosphatidylinositol-3-kinase pathway. <b>2008</b> , 30, 234-42	66
1505	Effect of IN-1130, a small molecule inhibitor of transforming growth factor-beta type I receptor/activin receptor-like kinase-5, on prostate cancer cells. <b>2008</b> , 180, 2660-7	21
1504	The c-myc promoter: still MysterY and challenge. <b>2008</b> , 99, 113-333	145

1503	Role of TGF- $\beta$ in Osteolytic Bone Metastases. <b>2008</b> , 95-123	
1502	Transforming Growth Factor- $\beta$ <b>2008</b> , 1145-1166	3
1501	Transforming Growth Factor- $\beta$ in Cancer Therapy, Volume I. <b>2008</b> ,	1
1500	Advances in Alzheimer's and Parkinson's Disease. <b>2008</b> ,	
1499	Acute Leukemias. <b>2008</b> ,	5
1498	Deleted in pancreatic carcinoma locus 4/Smad4 participates in the regulation of apoptosis by affecting the Bcl-2/Bax balance in non-small cell lung cancer. <b>2008</b> , 39, 1438-45	10
1497	Novel regulatory mechanisms for the proteoglycans decorin and biglycan during muscle formation and muscular dystrophy. <b>2008</b> , 27, 700-8	77
1496	Lithium inhibits Smad3/4 transactivation via increased CREB activity induced by enhanced PKA and AKT signaling. <b>2008</b> , 37, 440-53	66
1495	Compound Astragalus and Salvia miltiorrhiza Extract exerts anti-fibrosis by mediating TGF-beta/Smad signaling in myofibroblasts. <b>2008</b> , 118, 264-70	48
1494	TRAF6 mediates Smad-independent activation of JNK and p38 by TGF-beta. <b>2008</b> , 31, 918-24	436
1493	Contextual regulation of inflammation: a duet by transforming growth factor-beta and interleukin-10. <b>2008</b> , 28, 468-76	366
1492	Bmp4 is required for tracheal formation: a novel mouse model for tracheal agenesis. <b>2008</b> , 322, 145-55	79
1491	Gremlin promotes vascular smooth muscle cell proliferation and migration. <b>2008</b> , 44, 370-9	39
1490	TGF-beta1-induced plasminogen activator inhibitor-1 expression in vascular smooth muscle cells requires pp60(c-src)/EGFR(Y845) and Rho/ROCK signaling. <b>2008</b> , 44, 527-38	73
1489	Wnt, activin, and BMP signaling regulate distinct stages in the developmental pathway from embryonic stem cells to blood. <b>2008</b> , 2, 60-71	235
1488	Component Hardware for Transforming Growth Factor- $\beta$ Signal Transduction: TGF- $\beta$ Ligands, TGF- $\beta$ Receptors, and Smads. <b>2008</b> , 3-21	2
1487	Progressive pulmonary fibrosis is mediated by TGF-beta isoform 1 but not TGF-beta3. <b>2008</b> , 40, 484-95	116
1486	Molecular requirements for induction of CTGF expression by TGF-beta1 in primary osteoblasts. <b>2008</b> , 42, 871-85	48

1485	Insights from a rare genetic disorder of extra-skeletal bone formation, fibrodysplasia ossificans progressiva (FOP). <b>2008</b> , 43, 427-33	104
1484	Molecular profiling of bladder cancer: involvement of the TGF-beta pathway in bladder cancer progression. <b>2008</b> , 265, 27-38	29
1483	Transforming growth factor-beta induces cellular injury in experimental diabetic neuropathy. <b>2008</b> , 211, 469-79	30
1482	Role of transforming growth factor-beta superfamily signaling pathways in human disease. <b>2008</b> , 1782, 197-228	473
1481	TGF-beta1 induced MMP-9 expression in HNSCC cell lines via Smad/MLCK pathway. <b>2008</b> , 371, 713-8	61
1480	Constitutive Smad signaling and Smad-dependent collagen gene expression in mouse embryonic fibroblasts lacking peroxisome proliferator-activated receptor-gamma. <b>2008</b> , 374, 231-6	34
1479	Study of interaction between Smad7 and DNA by single-molecule force spectroscopy. <b>2008</b> , 377, 1284-7	20
1478	TGF-beta: a master of all T cell trades. <b>2008</b> , 134, 392-404	635
1477	Pivotal role for TGF-beta in infectious heart disease: The case of Trypanosoma cruzi infection and consequent Chagasic cardiomyopathy. <b>2008</b> , 19, 405-13	57
1476	Molecular and functional characterization of goldfish (Carassius auratus L.) transforming growth factor beta. <b>2008</b> , 32, 654-63	64
1475	Regulation of activin/nodal signaling by Rap2-directed receptor trafficking. <b>2008</b> , 15, 49-61	27
1474	Ectodermal Smad4 and p38 MAPK are functionally redundant in mediating TGF-beta/BMP signaling during tooth and palate development. <b>2008</b> , 15, 322-9	123
1473	Involvement of PI3K/Akt pathway in TGF-beta2-mediated epithelial mesenchymal transition in human lens epithelial cells. <b>2008</b> , 40, 69-76	48
1472	P.4.02 Transforming growth factor- $\beta$ (TGF- $\beta$ ) signaling as a new pharmacological target against A $\beta$ -induced neurodegeneration. <b>2008</b> , 18, s86-s87	
1471	S.07.03 Transforming growth factor- $\beta$ (TGF- $\beta$ ) signaling as a new pharmacological target against A $\beta$ -induced neurodegeneration. <b>2008</b> , 18, S168	1
1470	S.07.04 Progesterone and estradiol plasma levels modulate serotonin-1A binding in the human brain. <b>2008</b> , 18, S168	
1469	S.07.05 Proline affects brain function in 22q11DS children with the low-activity COMT158 allele. <b>2008</b> , 18, S168-S169	
1468	The immune system and cardiac repair. <b>2008</b> , 58, 88-111	491

1467	Transforming growth factor-beta in cutaneous melanoma. <b>2008</b> , 21, 123-32	105
1466	Transformation by oncogenic Ras expands the early genomic response to transforming growth factor beta in intestinal epithelial cells. <b>2008</b> , 10, 1073-82	4
1465	The Role of BMP4 in HERS during Tooth Root Development. <b>2008</b> , 50, 160-166	2
1464	Smad4-dependent TGF-beta signaling suppresses RON receptor tyrosine kinase-dependent motility and invasion of pancreatic cancer cells. <b>2008</b> , 283, 11293-301	42
1463	Bone morphogenetic protein (BMP) type II receptor is required for BMP-mediated growth arrest and differentiation in pulmonary artery smooth muscle cells. <b>2008</b> , 283, 3877-88	73
1462	Neogenin interacts with hemojuvelin through its two membrane-proximal fibronectin type III domains. <b>2008</b> , 47, 4237-45	49
1461	Cross-talk at the crossroads of sphingosine-1-phosphate, growth factors, and cytokine signaling. <b>2008</b> , 49, 1388-94	61
1460	Transforming growth factor-beta activation in the lung: focus on fibrosis and reactive oxygen species. <b>2008</b> , 10, 333-42	132
1459	Androgen receptor and growth factor signaling cross-talk in prostate cancer cells. <b>2008</b> , 15, 841-9	193
1458	Genomic survey of candidate stress-response genes in the estuarine anemone <i>Nematostella vectensis</i> . <b>2008</b> , 214, 233-54	58
1457	TGF-beta receptor II in epithelia versus mesenchyme plays distinct roles in the developing lung. <b>2008</b> , 32, 285-95	59
1456	TGF-beta1 attenuates mediator release and de novo Kit expression by human skin mast cells through a Smad-dependent pathway. <b>2008</b> , 181, 7263-72	35
1455	TGF-beta promotes thyroid epithelial cell hyperplasia and fibrosis in IFN-gamma-deficient NOD.H-2h4 mice. <b>2008</b> , 181, 2238-45	13
1454	Cross talk among Smad, MAPK, and integrin signaling pathways enhances adventitial fibroblast functions activated by transforming growth factor-beta1 and inhibited by Gax. <b>2008</b> , 28, 725-31	29
1453	TGF-beta signals regulate axonal development through distinct Smad-independent mechanisms. <b>2008</b> , 135, 4025-35	36
1452	LY2109761, a novel transforming growth factor beta receptor type I and type II dual inhibitor, as a therapeutic approach to suppressing pancreatic cancer metastasis. <b>2008</b> , 7, 829-40	247
1451	Connective tissue growth factor does not affect transforming growth factor-beta 1-induced Smad3 phosphorylation and T lymphocyte proliferation inhibition. <b>2008</b> , 147, 152-60	10
1450	Smad signaling in the rat model of monocrotaline pulmonary hypertension. <b>2008</b> , 36, 311-20	26

1449	Transforming growth factor-beta-regulated miR-24 promotes skeletal muscle differentiation. <b>2008</b> , 36, 2690-9	224
1448	PCTA: a new player in TGF-beta signaling. <b>2008</b> , 1, pe49	8
1447	Altered transforming growth factor-beta signaling in a murine model of thoracic aortic aneurysm. <b>2008</b> , 45, 457-68	32
1446	Bone morphogenetic protein-4 interacts with activin and GnRH to modulate gonadotrophin secretion in LbetaT2 gonadotrophs. <b>2008</b> , 196, 497-507	38
1445	WOUND-HEALING PROPERTIES OF TRANSFORMING GROWTH FACTOR [(TGF-)]INDUCIBLE EARLY GENE 1 (TIEG1) KNOCKOUT MICE. <b>2008</b> , 11, 63-69	8
1444	Defining early lineage specification of human embryonic stem cells by the orchestrated balance of canonical Wnt/beta-catenin, Activin/Nodal and BMP signaling. <b>2008</b> , 135, 2969-79	241
1443	Snail is required for TGFbeta-induced endothelial-mesenchymal transition of embryonic stem cell-derived endothelial cells. <b>2008</b> , 121, 3317-24	233
1442	Protein phosphatase 2A is a negative regulator of transforming growth factor-beta1-induced TAK1 activation in mesangial cells. <b>2008</b> , 283, 10753-63	45
1441	Preferential utilization of Imp7/8 in nuclear import of Smads. <b>2008</b> , 283, 22867-74	57
1440	TGF-beta utilizes SMAD3 to inhibit CD16-mediated IFN-gamma production and antibody-dependent cellular cytotoxicity in human NK cells. <b>2008</b> , 181, 3784-92	158
1439	Smad7 Inhibits chondrocyte differentiation at multiple steps during endochondral bone formation and down-regulates p38 MAPK pathways. <b>2008</b> , 283, 27154-64	58
1438	Promoter analysis reveals critical roles for SMAD-3 and ATF-2 in expression of IL-23 p19 in macrophages. <b>2008</b> , 181, 4523-33	45
1437	Endocytosis of the type III transforming growth factor-beta (TGF-beta) receptor through the clathrin-independent/lipid raft pathway regulates TGF-beta signaling and receptor down-regulation. <b>2008</b> , 283, 34808-18	54
1436	Transforming growth factor-beta (TGF- 1) down-regulates Notch3 in fibroblasts to promote smooth muscle gene expression. <b>2008</b> , 283, 1324-1333	90
1435	Selective killing of Smad4-negative tumor cells via a designed repressor strategy. <b>2008</b> , 74, 289-97	2
1434	Noggin expands neural stem cells in the adult hippocampus. <b>2008</b> , 28, 9194-204	200
1433	Critical regulation of TGFbeta signaling by Hsp90. <b>2008</b> , 105, 9244-9	100
1432	Functional blockade of Smad4 leads to a decrease in beta-catenin levels and signaling activity in human pancreatic carcinoma cells. <b>2008</b> , 29, 1070-6	31

1431	Transcriptional and translational regulation of TGF-beta production in response to apoptotic cells. <b>2008</b> , 181, 3575-85	105
1430	Smad signaling antagonizes STAT5-mediated gene transcription and mammary epithelial cell differentiation. <b>2008</b> , 283, 1293-1307	47
1429	Mice overexpressing latent TGF-beta1 are protected against renal fibrosis in obstructive kidney disease. <b>2008</b> , 295, F118-27	73
1428	Smad7 stabilizes beta-catenin binding to E-cadherin complex and promotes cell-cell adhesion. <b>2008</b> , 283, 23956-63	51
1427	Gremlin-mediated decrease in bone morphogenetic protein signaling promotes pulmonary fibrosis. <b>2008</b> , 177, 321-9	132
1426	TGF-beta1 and IFN-gamma stimulate mouse macrophages to express BAFF via different signaling pathways. <b>2008</b> , 83, 1431-9	50
1425	SnoN in TGF-beta signaling and cancer biology. <b>2008</b> , 8, 319-28	28
1424	Transforming growth factor-beta1 protects against pulmonary artery endothelial cell apoptosis via ALK5. <b>2008</b> , 295, L123-33	27
1423	High glucose activates PKC-zeta and NADPH oxidase through autocrine TGF-beta1 signaling in mesangial cells. <b>2008</b> , 295, F1705-14	61
1422	Essential role of chromatin remodeling protein Bptf in early mouse embryos and embryonic stem cells. <b>2008</b> , 4, e1000241	102
1421	Redundant roles of SMAD2 and SMAD3 in ovarian granulosa cells in vivo. <b>2008</b> , 28, 7001-11	136
1420	Transforming growth factor beta1 induces alphavbeta3 integrin expression in human lung fibroblasts via a beta3 integrin-, c-Src-, and p38 MAPK-dependent pathway. <b>2008</b> , 283, 12898-908	83
1419	Transforming growth factor-beta regulates mammary carcinoma cell survival and interaction with the adjacent microenvironment. <b>2008</b> , 68, 1809-19	110
1418	Molecular Organization of Cells. <b>2008</b> , 50-65	
1417	TbetaRIII suppresses non-small cell lung cancer invasiveness and tumorigenicity. <b>2008</b> , 29, 528-35	90
1416	A synthetic peptide from transforming growth factor-beta1 type III receptor prevents myocardial fibrosis in spontaneously hypertensive rats. <b>2009</b> , 81, 601-9	75
1415	Transforming growth factor beta induces apoptosis through repressing the phosphoinositide 3-kinase/AKT/survivin pathway in colon cancer cells. <b>2008</b> , 68, 3152-60	83
1414	USP11 stabilizes HPV-16E7 and further modulates the E7 biological activity. <b>2008</b> , 283, 15681-8	41



1413	Jun N-terminal kinase 1 regulates epithelial-to-mesenchymal transition induced by TGF-beta1. <b>2008</b> , 121, 1036-45	100
1412	Transforming growth factor-beta-stimulated endocardial cell transformation is dependent on Par6c regulation of RhoA. <b>2008</b> , 283, 13834-41	44
1411	Transforming growth factor-beta signaling and ubiquitinators in cancer. <b>2008</b> , 15, 59-72	41
1410	Basal expression of bone morphogenetic protein receptor is reduced in mild asthma. <b>2008</b> , 177, 1074-81	37
1409	p53 brings a new twist to the Smad signaling network. <b>2008</b> , 1, pe33	21
1408	Angiotensin II blockade in Marfan's syndrome. <b>2008</b> , 359, 1732; author reply 1733-4	11
1407	Modulation of the Bioactive Conformation of Transforming Growth Factor $\beta$ Possible Implications of Cation Binding for Biological Function. <b>2008</b> , 273, 155-81	3
1406	Tuning immune suppression in systemic autoimmunity with self-derived peptides. <b>2008</b> , 7, 253-9	9
1405	Bone morphogenetic protein-2 stimulates chondrogenic expression in human nasal chondrocytes expanded in vitro. <b>2008</b> , 26, 201-11	29
1404	BMP-2 vs. BMP-4 expression and activity in glucocorticoid-arrested MC3T3-E1 osteoblasts: Smad signaling, not alkaline phosphatase activity, predicts rescue of mineralization. <b>2008</b> , 26, 226-37	31
1403	Silencing of transforming growth factor-beta1 in situ by RNA interference for breast cancer: implications for proliferation and migration in vitro and metastasis in vivo. <b>2008</b> , 14, 4961-70	46
1402	Role of the TGF-beta/Alk5 signaling pathway in monocrotaline-induced pulmonary hypertension. <b>2008</b> , 177, 896-905	115
1401	Role of TGF-beta in the tumor stroma. <b>2008</b> , 8, 466-72	18
1400	Synergistic induction of follicle-stimulating hormone beta-subunit gene expression by gonadal steroid hormone receptors and Smad proteins. <b>2008</b> , 149, 1091-102	31
1399	Latent TGF-beta1 protects against crescentic glomerulonephritis. <b>2008</b> , 19, 233-42	105
1398	Eisenmenger's syndrome:A review of the pathophysiology and therapeutic options. <b>2008</b> , 3, 138-145	8
1397	Down-regulation of the TGF-beta target gene, PTPRK, by the Epstein-Barr virus encoded EBNA1 contributes to the growth and survival of Hodgkin lymphoma cells. <b>2008</b> , 111, 292-301	81
1396	Hemojuvelin regulates hepcidin expression via a selective subset of BMP ligands and receptors independently of neogenin. <b>2008</b> , 111, 5195-204	173

1395	Maintenance of a normal thymic microenvironment and T-cell homeostasis require Smad4-mediated signaling in thymic epithelial cells. <b>2008</b> , 112, 3688-95	14
1394	Novel Therapeutic Targets for the Treatment of Tubulointerstitial Fibrosis. <b>2008</b> , 3, 97-111	4
1393	TGF- $\beta$ ; Signaling in Gastrointestinal Cancer Stem Cells. <b>2008</b> , 4, 196-200	
1392	Similar mechanisms regulated by gamma-secretase are involved in both directions of the bi-directional Notch-Delta signaling pathway as well as play a potential role in signaling events involving type 1 transmembrane proteins. <b>2008</b> , 3, 288-302	7
1391	Effect of inhaled budesonide on surfactant protein expression in asthmatic mice. <b>2008</b> , 29, 486-92	12
1390	Regulatory Mechanisms of Chondrogenesis and Implications for Understanding Articular Cartilage Homeostasis. <b>2008</b> , 4, 136-147	12
1389	TGF- $\beta$ signaling dictates therapeutic targeting in prostate cancer. <b>2008</b> , 5, 7-11	1
1388	Simvastatin abates development of renal fibrosis in experimental renovascular disease. <b>2008</b> , 26, 1651-60	49
1387	Osteoblast Biology. <b>2008</b> , 93-150	5
1386	SMAD2 and the Relationship of Colorectal Cancer to Inflammatory Bowel Disease. <b>2008</b> , 23, 169-175	2
1385	Integration of non-SMAD and SMAD signaling in TGF- $\beta$ -induced plasminogen activator inhibitor type-1 gene expression in vascular smooth muscle cells. <b>2008</b> , 100, 976-983	84
1384	Microenvironmental regulation of E-cadherin-mediated adherens junctions. <b>2008</b> , 13, 3975-85	52
1383	Aberrant signaling in T-cell acute lymphoblastic leukemia: biological and therapeutic implications. <b>2008</b> , 41, 344-50	17
1382	Involvement of Smad3 phosphoisoform-mediated signaling in the development of colonic cancer in IL-10-deficient mice. <b>2008</b> ,	
1381	Role of TGF-beta on cardiac structural and electrical remodeling. <b>2008</b> , 4, 1289-300	42
1380	Cellular and molecular regulation of muscle growth and development in meat animals. <b>2008</b> , 86, E217-25	42
1379	TGF-beta signaling in neuronal stem cells. <b>2008</b> , 24, 251-5	13
1378	Regulation of T cell differentiation and allergic responses by the E3 ubiquitin ligase itch. <b>2008</b> , 137-52	1

1377	TGF beta-induced contraction is not promoted by fibronectin-fibronectin receptor interaction, or alpha SMA expression. <b>2008</b> , 49, 650-61	30
1376	Transforming Growth Factor $\beta$ Induces Epithelial-Mesenchymal Transition by Activating the Jnk/MAD3 Pathway in Rat Peritoneal Mesothelial Cells. <b>2008</b> , 28, 88-95	48
1375	TGF $\beta$ ; signaling supports survival and metastasis of endometrial cancer cells. <b>2009</b> , Volume 1, 15-24	7
1374	TGF $\beta$ 3 is expressed in differentiating muscle of the embryonic mouse tongue. <b>2010</b> , 54, 221-6	2
1373	Ribozyme to TGF-beta1 mRNA abrogates immunosuppressive effects of human colorectal adenocarcinoma HRT-18 cells in vitro and in vivo. <b>2009</b> , 35, 901-8	
1372	Modulation of TGF-beta signaling during progression of chronic liver diseases. <b>2009</b> , 14, 2923-34	53
1371	Aberrant methylation inactivates transforming growth factor Beta receptor I in head and neck squamous cell carcinoma. <b>2009</b> , 2009, 848695	10
1370	TGF-beta1-Induced Expression of the Poor Prognosis SERPINE1/PAI-1 Gene Requires EGFR Signaling: A New Target for Anti-EGFR Therapy. <b>2009</b> , 2009, 342391	21
1369	TGFbeta/Smad4-dependent and -independent regulation of human lens epithelial cells. <b>2009</b> , 50, 5318-27	47
1368	BMP-7 as antagonist of organ fibrosis. <b>2009</b> , 14, 4992-5012	64
1367	Graded Smad2/3 activation is converted directly into levels of target gene expression in embryonic stem cells. <b>2009</b> , 4, e4268	37
1366	Liver cancer-derived hepatitis C virus core proteins shift TGF-beta responses from tumor suppression to epithelial-mesenchymal transition. <b>2009</b> , 4, e4355	91
1365	BMP signaling mediates effects of exercise on hippocampal neurogenesis and cognition in mice. <b>2009</b> , 4, e7506	81
1364	ActRIIA and BMPRII Type II BMP receptor subunits selectively required for Smad4-independent BMP7-evoked chemotaxis. <b>2009</b> , 4, e8198	34
1363	Mechanisms of the suppression of free radical overproduction by antioxidants. <b>2009</b> , 1, 179-88	5
1362	Skeletal morphogenesis during embryonic development. <b>2009</b> , 19, 197-218	48
1361	TGFbeta-induced endothelial podosomes mediate basement membrane collagen degradation in arterial vessels. <b>2009</b> , 122, 4311-8	85
1360	Progressive tumor formation in mice with conditional deletion of TGF-beta signaling in head and neck epithelia is associated with activation of the PI3K/Akt pathway. <b>2009</b> , 69, 5918-26	80

1359	RGC-32 mediates transforming growth factor-beta-induced epithelial-mesenchymal transition in human renal proximal tubular cells. <b>2009</b> , 284, 9426-32	58
1358	A negative feedback control of transforming growth factor-beta signaling by glycogen synthase kinase 3-mediated Smad3 linker phosphorylation at Ser-204. <b>2009</b> , 284, 19808-16	61
1357	Transforming growth factor-beta/Smad3 signaling regulates insulin gene transcription and pancreatic islet beta-cell function. <b>2009</b> , 284, 12246-57	117
1356	Pin1 down-regulates transforming growth factor-beta (TGF-beta) signaling by inducing degradation of Smad proteins. <b>2009</b> , 284, 6109-15	83
1355	BMP7 promotes proliferation of nephron progenitor cells via a JNK-dependent mechanism. <b>2009</b> , 136, 3557-66	90
1354	Dysfunctional transforming growth factor-beta receptor II accelerates prostate tumorigenesis in the TRAMP mouse model. <b>2009</b> , 69, 7366-74	47
1353	Regulation of transforming growth factor-beta-dependent cyclooxygenase-2 expression in fibroblasts. <b>2009</b> , 284, 35861-71	21
1352	Elevated cutaneous Smad activation associates with enhanced skin tumor susceptibility in organ transplant recipients. <b>2009</b> , 15, 5101-7	10
1351	Casein kinase 2beta as a novel enhancer of activin-like receptor-1 signaling. <b>2009</b> , 23, 3712-21	17
1350	Transforming growth factor-{beta}-inducible phosphorylation of Smad3. <b>2009</b> , 284, 9663-73	101
1349	SKI and MEL1 cooperate to inhibit transforming growth factor-beta signal in gastric cancer cells. <b>2009</b> , 284, 3334-3344	57
1348	Human BAMBI cooperates with Smad7 to inhibit transforming growth factor-beta signaling. <b>2009</b> , 284, 30097-104	110
1347	Single-molecule imaging reveals transforming growth factor-beta-induced type II receptor dimerization. <b>2009</b> , 106, 15679-83	98
1346	TbetaRI independently activates Smad- and CD2AP-dependent pathways in podocytes. <b>2009</b> , 20, 2127-37	38
1345	Defective pulmonary vascular remodeling in Smad8 mutant mice. <b>2009</b> , 18, 2791-801	63
1344	TGF-beta promotes invasion and metastasis of gastric cancer cells by increasing fascin1 expression via ERK and JNK signal pathways. <b>2009</b> , 41, 648-56	82
1343	TGF-[beta]1 limits plaque growth, stabilizes plaque structure, and prevents aortic dilation in apolipoprotein E-null mice. <b>2009</b> , 29, 1251-7	77
1342	Transforming growth factor-beta promotes recruitment of bone marrow cells and bone marrow-derived mesenchymal stem cells through stimulation of MCP-1 production in vascular smooth muscle cells. <b>2009</b> , 284, 17564-74	96

1341	Critical role of Smad2 in tumor suppression and transforming growth factor-beta-induced apoptosis of prostate epithelial cells. <b>2009</b> , 69, 2185-90	52
1340	Density-dependent shift of transforming growth factor-beta-1 from inhibition to stimulation of vascular smooth muscle cell growth is based on unconventional regulation of proliferation, apoptosis and contact inhibition. <b>2009</b> , 46, 85-97	18
1339	Transforming growth factor-beta signaling in thoracic aortic aneurysm development: a paradox in pathogenesis. <b>2009</b> , 46, 119-37	127
1338	The bone morphogenetic protein antagonist gremlin promotes vascular smooth muscle cell apoptosis. <b>2009</b> , 46, 325-32	11
1337	Advances in early kidney specification, development and patterning. <b>2009</b> , 136, 3863-74	245
1336	Oxidized low-density lipoprotein and oxidative stress in the development of glomerulosclerosis. <b>2009</b> , 29, 62-70	35
1335	Critical role of serum response factor in pulmonary myofibroblast differentiation induced by TGF-beta. <b>2009</b> , 41, 332-8	85
1334	Gain or loss of TGFbeta signaling in mammary carcinoma cells can promote metastasis. <b>2009</b> , 8, 3319-27	54
1333	c-Jun N-terminal kinase 1 is required for the development of pulmonary fibrosis. <b>2009</b> , 40, 422-32	71
1332	Dynasore, a dynamin inhibitor, induces PAI-1 expression in MeT-5A human pleural mesothelial cells. <b>2009</b> , 40, 692-700	23
1331	Expression of the Arf tumor suppressor gene is controlled by Tgfbeta2 during development. <b>2009</b> , 136, 2081-9	23
1330	TGF-beta uses the E3-ligase TRAF6 to turn on the kinase TAK1 to kill prostate cancer cells. <b>2009</b> , 5, 1-3	23
1329	Genetics of pulmonary arterial hypertension. <b>2009</b> , 30, 386-98	34
1328	Inhibition of JNK enhances TGF-beta1-activated Smad2 signaling in mouse embryonic lung. <b>2009</b> , 65, 381-6	17
1327	Factors affecting proteoglycan synthesis and structure that modify the interaction with lipoproteins. <b>2009</b> , 4, 479-492	4
1326	Rac1 promotes TGF-beta-stimulated mesangial cell type I collagen expression through a PI3K/Akt-dependent mechanism. <b>2009</b> , 297, F1316-23	47
1325	TGF-beta through Smad3 signaling stimulates vascular smooth muscle cell proliferation and neointimal formation. <b>2009</b> , 297, H540-9	110
1324	Downregulation of SMAD2, 4 and 6 mRNA and TGFbeta receptor I mRNA in lesional and non-lesional psoriatic skin. <b>2009</b> , 89, 351-6	14

1323	Transforming growth factor-beta1 causes pulmonary microvascular endothelial cell apoptosis via ALK5. <b>2009</b> , 296, L825-38	29
1322	MAPK ERK signaling regulates the TGF-beta1-dependent mosquito response to Plasmodium falciparum. <b>2009</b> , 5, e1000366	61
1321	Mesenchymal cell fate and phenotypes in the pathogenesis of emphysema. <b>2009</b> , 6, 201-10	14
1320	Postinfarction gene therapy with adenoviral vector expressing decorin mitigates cardiac remodeling and dysfunction. <b>2009</b> , 297, H1504-13	33
1319	NOX4 mediates hypoxia-induced proliferation of human pulmonary artery smooth muscle cells: the role of autocrine production of transforming growth factor- $\beta$ 1 and insulin-like growth factor binding protein-3. <b>2009</b> , 296, L489-99	145
1318	Established neointimal hyperplasia in vein grafts expands via TGF-beta-mediated progressive fibrosis. <b>2009</b> , 297, H1200-7	50
1317	Extracellular matrix-induced gene expression in human breast cancer cells. <b>2009</b> , 7, 319-29	26
1316	Transforming growth factor-beta induces nerve growth factor expression in pancreatic stellate cells by activation of the ALK-5 pathway. <b>2009</b> , 27, 289-99	36
1315	Integrin alpha3beta1-dependent beta-catenin phosphorylation links epithelial Smad signaling to cell contacts. <b>2009</b> , 184, 309-22	137
1314	Activins regulate 17beta-hydroxysteroid dehydrogenase type I transcription in murine gonadotrope cells. <b>2009</b> , 201, 89-104	8
1313	SMAD4 gene mutations are associated with poor prognosis in pancreatic cancer. <b>2009</b> , 15, 4674-9	275
1312	Thyroid transcription factor-1 inhibits transforming growth factor-beta-mediated epithelial-to-mesenchymal transition in lung adenocarcinoma cells. <b>2009</b> , 69, 2783-91	107
1311	Thyroid hormone receptor beta1 acts as a potent suppressor of tumor invasiveness and metastasis. <b>2009</b> , 69, 501-9	116
1310	iNKT cell development is orchestrated by different branches of TGF-beta signaling. <b>2009</b> , 206, 1365-78	66
1309	Role of Ras signaling in the induction of snail by transforming growth factor-beta. <b>2009</b> , 284, 245-253	164
1308	Endoglin in African children with Plasmodium falciparum malaria: a novel player in severe malaria pathogenesis?. <b>2009</b> , 200, 1842-8	22
1307	Smad2 and Smad3 phosphorylated at both linker and COOH-terminal regions transmit malignant TGF-beta signal in later stages of human colorectal cancer. <b>2009</b> , 69, 5321-30	100
1306	Transforming growth factor-beta (TGF-beta1) activates TAK1 via TAB1-mediated autophosphorylation, independent of TGF-beta receptor kinase activity in mesangial cells. <b>2009</b> , 284, 22285-22296	59

1305	Functional and phylogenetic analysis shows that Fgf8 is a marker of genital induction in mammals but is not required for external genital development. <b>2009</b> , 136, 2643-51	49
1304	Adaptive and maladaptive effects of SMAD3 signaling in the adult heart after hemodynamic pressure overloading. <b>2009</b> , 2, 633-42	89
1303	Altered growth factor signaling pathways as the basis of aberrant stem cell maturation in schizophrenia. <b>2009</b> , 121, 115-22	52
1302	New regulatory mechanisms of TGF-beta receptor function. <b>2009</b> , 19, 385-94	266
1301	Identification of proteins involved in neural progenitor cell targeting of gliomas. <b>2009</b> , 9, 206	18
1300	TGF-beta receptor levels regulate the specificity of signaling pathway activation and biological effects of TGF-beta. <b>2009</b> , 1793, 1165-73	75
1299	BMP6 attenuates oxidant injury in HK-2 cells via Smad-dependent HO-1 induction. <b>2009</b> , 46, 1275-82	13
1298	Role of activin, transforming growth factor-beta and bone morphogenetic protein 15 in regulating zebrafish oocyte maturation. <b>2009</b> , 153, 18-23	25
1297	TGFbeta-induced GRK2 expression attenuates AngII-regulated vascular smooth muscle cell proliferation and migration. <b>2009</b> , 21, 899-905	23
1296	Endogenous bone morphogenetic proteins in human bone marrow-derived multipotent mesenchymal stromal cells. <b>2009</b> , 88, 257-71	44
1295	Inhibition of calcifying nodule formation in cultured porcine aortic valve cells by nitric oxide donors. <b>2009</b> , 602, 28-35	64
1294	Nordihydroguaiaretic acid inhibits transforming growth factor beta type 1 receptor activity and downstream signaling. <b>2009</b> , 616, 31-7	8
1293	Involvement of Fractin in TGF-beta-induced apoptosis in oligodendroglial progenitor cells. <b>2009</b> , 57, 1619-29	15
1292	Extracellular matrix modulates sensitivity of hepatocytes to fibroblastoid dedifferentiation and transforming growth factor beta-induced apoptosis. <b>2009</b> , 49, 2031-43	168
1291	Crosstalk between Wnt and bone morphogenic protein signaling: a turbulent relationship. <b>2010</b> , 239, 16-33	100
1290	Analysis of gene expression in PTHrP-/- mammary buds supports a role for BMP signaling and MMP2 in the initiation of ductal morphogenesis. <b>2009</b> , 238, 2713-24	25
1289	Synergistic effect of TGF-beta superfamily members on the induction of Foxp3+ Treg. <b>2010</b> , 40, 142-52	86
1288	Post-transcriptional and post-translational regulation of PTEN by transforming growth factor-beta1. <b>2009</b> , 106, 1102-12	21

1287	Transforming growth factor-beta3-induced Smad signaling regulates actin reorganization during chondrogenesis of chick leg bud mesenchymal cells. <b>2009</b> , 107, 622-9	7
1286	Role of Smad3, acting independently of transforming growth factor-beta, in the early induction of Wnt-beta-catenin signaling by parathyroid hormone in mouse osteoblastic cells. <b>2009</b> , 108, 285-94	24
1285	Distribution of TGF-beta isoforms and signaling intermediates in corneal fibrotic wound repair. <b>2009</b> , 108, 476-88	24
1284	Slug is a downstream mediator of transforming growth factor-beta1-induced matrix metalloproteinase-9 expression and invasion of oral cancer cells. <b>2009</b> , 108, 726-36	66
1283	Requirement of a dynein light chain in TGFbeta/Smad3 signaling. <b>2009</b> , 221, 707-15	26
1282	PTK-pathways and TGF-beta signaling pathways in schistosomes. <b>2009</b> , 49, 25-31	8
1281	Transcriptional regulation of Foxp3 gene: multiple signal pathways on the road. <b>2009</b> , 29, 742-66	36
1280	Redundancy of the effect of TGFbeta1 and beta-NGF on the second meiotic division of rat spermatocytes. <b>2009</b> , 72, 596-602	14
1279	Regulated production of SnoN2 is a feature of testicular differentiation. <b>2009</b> , 72, 833-44	10
1278	Screening of chondrogenic factors with a real-time fluorescence-monitoring cell line ATDC5-C2ER: identification of sorting nexin 19 as a novel factor. <b>2009</b> , 60, 3314-23	24
1277	Hoxa3 and signaling molecules involved in aortic arch patterning and remodeling. <b>2009</b> , 336, 165-78	27
1276	Keloid scarring: bench and bedside. <b>2009</b> , 301, 259-72	152
1275	Involvement of ERK, Bcl-2 family and caspase 3 in recombinant human activin A-induced apoptosis in A549. <b>2009</b> , 258, 176-83	12
1274	ZAK induces MMP-2 activity via JNK/p38 signals and reduces MMP-9 activity by increasing TIMP-1/2 expression in H9c2 cardiomyoblast cells. <b>2009</b> , 325, 69-77	19
1273	Proteomic Profiling of Mesenchymal Stem Cell Responses to Mechanical Strain and TGF-beta1. <b>2009</b> , 2, 606-614	46
1272	Phenotypic classification of well-differentiated gastric adenocarcinoma. <b>2009</b> , 21, 278-289	
1271	Expression of TGFbeta1 and its signaling components by peripheral lymphocytes in systemic lupus erythematosus. <b>2009</b> , 15, 251-6	12
1270	Upregulation of mRNA expression of MCP-1 by TGF-beta1 in fibroblast cells from Peyronie's disease. <b>2009</b> , 27, 123-30	19



1269	Smad, PI3K/Akt, and Wnt-dependent signaling pathways are involved in BMP-4-induced ESC self-renewal. <b>2009</b> , 27, 1858-68	61
1268	Trafficking mesenchymal stem cell engraftment and differentiation in tumor-bearing mice by bioluminescence imaging. <b>2009</b> , 27, 1548-58	188
1267	Signals controlling neural crest contributions to the heart. <b>2009</b> , 1, 220-7	34
1266	Subcellular fractionation of TGF-beta1-stimulated lung epithelial cells: a novel proteomic approach for identifying signaling intermediates. <b>2009</b> , 9, 1230-40	14
1265	Syndromic and non-syndromic aneurysms of the human ascending aorta share activation of the Smad2 pathway. <b>2009</b> , 218, 131-42	142
1264	Complete reversal of epithelial to mesenchymal transition requires inhibition of both ZEB expression and the Rho pathway. <b>2009</b> , 10, 94	80
1263	Liver fibrosis secondary to bile duct injury: correlation of Smad7 with TGF-beta and extracellular matrix proteins. <b>2009</b> , 9, 81	10
1262	Crosstalk between PTEN/Akt2 and TGFbeta signaling involving EGF receptor down-regulation during the tumor promotion process from the early stage in a rat two-stage hepatocarcinogenesis model. <b>2009</b> , 100, 813-20	16
1261	Interleukin (IL)-6 modulates transforming growth factor-beta expression in skin and dermal fibroblasts from IL-6-deficient mice. <b>2009</b> , 161, 237-48	50
1260	Transforming growth factor-beta in allergic inflammatory disease of the upper airways: friend or foe?. <b>2009</b> , 39, 1128-35	23
1259	Smad3 loss confers resistance to the development of trinitrobenzene sulfonic acid-induced colorectal fibrosis. <b>2009</b> , 39, 145-56	48
1258	Signaling cross-talk between TGF-beta/BMP and other pathways. <b>2009</b> , 19, 71-88	714
1257	Endocytic regulation of TGF-beta signaling. <b>2009</b> , 19, 58-70	207
1256	Phospho-control of TGF-beta superfamily signaling. <b>2009</b> , 19, 8-20	264
1255	Non-Smad pathways in TGF-beta signaling. <b>2009</b> , 19, 128-39	1235
1254	BMP-6 inhibits microRNA-21 expression in breast cancer through repressing deltaEF1 and AP-1. <b>2009</b> , 19, 487-96	78
1253	TGF-beta-induced epithelial to mesenchymal transition. <b>2009</b> , 19, 156-72	1784
1252	Hereditary haemorrhagic telangiectasia: a clinical and scientific review. <b>2009</b> , 17, 860-71	330

1251	TGFbeta-stimulated Smad1/5 phosphorylation requires the ALK5 L45 loop and mediates the pro-migratory TGFbeta switch. <b>2009</b> , 28, 88-98	147
1250	TAK1 is an essential regulator of BMP signalling in cartilage. <b>2009</b> , 28, 2028-41	110
1249	Transforming growth factor-beta signaling alters substrate permeability and tight junction protein expression at the blood-brain barrier during inflammatory pain. <b>2009</b> , 29, 1084-98	105
1248	Therapeutic targeting of the PDGF and TGF-beta-signaling pathways in hepatic stellate cells by PTK787/ZK22258. <b>2009</b> , 89, 1152-60	54
1247	Concerted stimuli regulating osteo-chondral differentiation from stem cells: phenotype acquisition regulated by microRNAs. <b>2009</b> , 30, 1369-84	24
1246	BMP6 reverses TGF-beta1-induced changes in HK-2 cells: implications for the treatment of renal fibrosis. <b>2009</b> , 30, 994-1000	27
1245	New insights into the aetiology of colorectal cancer from genome-wide association studies. <b>2009</b> , 10, 353-8	324
1244	TGF-beta-mediated activation of RhoA signalling is required for efficient (V12)HaRas and (V600E)BRAF transformation. <b>2009</b> , 28, 983-93	37
1243	A forward chemical screen using zebrafish embryos with novel 2-substituted 2H-chromene derivatives. <b>2009</b> , 73, 339-45	32
1242	Effects of rhubarb on migration of rat hepatic stellate cells. <b>2009</b> , 24, 453-61	16
1241	Development, repair and fibrosis: what is common and why it matters. <b>2009</b> , 14, 656-65	60
1240	Complex and context dependent regulation of hematopoiesis by TGF-beta superfamily signaling. <b>2009</b> , 1176, 55-69	89
1239	Involvement of reactive oxygen species in TGF-beta1-induced tropoelastin expression by human dermal fibroblasts. <b>2009</b> , 85, 1425-33	15
1238	Bioactive TGF-beta can associate with lipoproteins and is enriched in those containing apolipoprotein E3. <b>2009</b> , 110, 1254-62	9
1237	Relative roles of TGF-beta1 and Wnt in the systemic regulation and aging of satellite cell responses. <b>2009</b> , 8, 676-89	187
1236	Differentiation and function of pro-inflammatory Th17 cells. <b>2009</b> , 11, 584-8	51
1235	Genome-based expression profiles as a single standardized microarray platform for the diagnosis of bladder pain syndrome/interstitial cystitis: an array of 139 genes model. <b>2009</b> , 20, 515-22	5
1234	Receptors, Signaling Pathways, Cell Cycle, and DNA Damage Repair. <b>2009</b> , 9-18	

1233	Sustained BMP signaling in osteoblasts stimulates bone formation by promoting angiogenesis and osteoblast differentiation. <b>2009</b> , 24, 1224-33	68
1232	Specific activation of mitogen-activated protein kinase by transforming growth factor-beta receptors in lipid rafts is required for epithelial cell plasticity. <b>2009</b> , 20, 1020-9	96
1231	A comparative study on BMP-induced osteoclastogenesis and osteoblastogenesis in primary cultures of adult rat bone marrow cells. <b>2009</b> , 27, 121-31	24
1230	Applications of small molecule BMP inhibitors in physiology and disease. <b>2009</b> , 20, 409-18	88
1229	Essential role of TGF-beta signaling in glucose-induced cell hypertrophy. <b>2009</b> , 17, 35-48	119
1228	Upregulated IL-18 expression in type 2 diabetic subjects with nephropathy: TGF-beta1 enhanced IL-18 expression in human renal proximal tubular epithelial cells. <b>2009</b> , 83, 190-9	70
1227	Histone deacetylase 4 promotes TGF-beta1-induced synovium-derived stem cell chondrogenesis but inhibits chondrogenically differentiated stem cell hypertrophy. <b>2009</b> , 78, 260-8	56
1226	BMP7 influences proliferation, migration, and invasion of breast cancer cells. <b>2009</b> , 275, 35-43	93
1225	Targeting transforming growth factor-beta signaling in liver metastasis of colon cancer. <b>2009</b> , 277, 114-20	108
1224	TGFbeta promotes Wnt expression during cataract development. <b>2009</b> , 88, 307-13	37
1223	TGF-beta and fibrosis in different organs - molecular pathway imprints. <b>2009</b> , 1792, 746-56	442
1222	TGF-beta1 modulates focal adhesion kinase expression in rat intestinal epithelial IEC-6 cells via stimulatory and inhibitory Smad binding elements. <b>2009</b> , 1789, 88-98	16
1221	Characterization of function and regulation of miR-24-1 and miR-31. <b>2009</b> , 380, 660-5	94
1220	cAMP enhances BMP2-signaling through PKA and MKP1-dependent mechanisms. <b>2009</b> , 381, 247-52	28
1219	Transforming growth factor-beta1 induces matrix metalloproteinase-9 expression in human meningeal cells via ERK and Smad pathways. <b>2009</b> , 383, 475-9	29
1218	Activation of mammalian Tolloid-like 1 expression by hypoxia in human neuroblastoma SH-SY5Y cells. <b>2009</b> , 389, 338-42	4
1217	Autocrine TGF-beta signaling maintains tumorigenicity of glioma-initiating cells through Sry-related HMG-box factors. <b>2009</b> , 5, 504-14	423
1216	Tau hyperphosphorylation affects Smad 2/3 translocation. <b>2009</b> , 163, 561-70	28

1215	TGF-beta1 and TGF-beta2 strongly enhance the secretion of plasminogen activator inhibitor-1 and matrix metalloproteinase-9 of the human prostate cancer cell line PC-3. <b>2009</b> , 155, 28-32	25
1214	Bombesin enhances TGF-beta growth inhibitory effect through apoptosis induction in intestinal epithelial cells. <b>2009</b> , 158, 26-31	5
1213	Effects of immunotherapy of IL-6 and IL-15 plasmids on transmissible venereal tumor in beagles. <b>2009</b> , 130, 25-34	28
1212	BMP7 and SHH regulate Pax2 in mouse retinal astrocytes by relieving TLX repression. <b>2009</b> , 332, 429-43	28
1211	Activin promotes differentiation of cultured mouse trophoblast stem cells towards a labyrinth cell fate. <b>2009</b> , 335, 120-31	57
1210	The type I BMP receptors, Bmpr1a and Acvr1, activate multiple signaling pathways to regulate lens formation. <b>2009</b> , 335, 305-16	66
1209	Gender differences of echocardiographic and gene expression patterns in human pressure overload left ventricular hypertrophy. <b>2009</b> , 46, 526-35	61
1208	Smad2 isoforms are differentially expressed during mouse brain development and aging. <b>2009</b> , 27, 501-10	17
1207	Interferon regulatory factor 6 (IRF6) is expressed in the ovine uterus and functions as a transcriptional activator. <b>2009</b> , 299, 252-60	14
1206	Regulation of osteoblastogenesis and osteoclastogenesis by the other reproductive hormones, Activin and Inhibin. <b>2009</b> , 310, 11-20	38
1205	TACE-mediated ectodomain shedding of the type I TGF-beta receptor downregulates TGF-beta signaling. <b>2009</b> , 35, 26-36	104
1204	Suppressed acute phase response to LPS-induced hepatic injury in Smad3-deficient mice. <b>2009</b> , 46, 362-5	7
1203	TGF-beta and kynurenines as the key to infectious tolerance. <b>2009</b> , 15, 41-9	107
1202	Chromatin immunoprecipitation on microarray analysis of Smad2/3 binding sites reveals roles of ETS1 and TFAP2A in transforming growth factor beta signaling. <b>2009</b> , 29, 172-86	158
1201	Future perspectives for the treatment of pulmonary arterial hypertension. <b>2009</b> , 54, S108-S117	50
1200	Glial fibrillary acidic protein promoter targets pancreatic stellate cells. <b>2009</b> , 41, 229-36	15
1199	Transforming growth factor-beta1 increases cell migration and beta1 integrin up-regulation in human lung cancer cells. <b>2009</b> , 64, 13-21	50
1198	Targeting TGF-beta in prostate cancer: therapeutic possibilities during tumor progression. <b>2009</b> , 13, 227-34	73

1197	Smad7 controls resistance of colitogenic T cells to regulatory T cell-mediated suppression. <b>2009</b> , 136, 1308-16, e1-3	122
1196	Hedgehog-mediated epithelial-to-mesenchymal transition and fibrogenic repair in nonalcoholic fatty liver disease. <b>2009</b> , 137, 1478-1488.e8	204
1195	Growth Factors. <b>2009</b> , 353-361	
1194	Transforming growth factor beta as a therapeutic target in systemic sclerosis. <b>2009</b> , 5, 200-6	220
1193	Basic Concepts of Molecular Pathology. <b>2009</b> ,	1
1192	Signalling Through Receptor Serine/Threonine Kinases. <b>2009</b> , 599-639	
1191	Cross-talk between the mitogen activated protein kinase and bone morphogenetic protein/hemojuvelin pathways is required for the induction of hepcidin by holotransferrin in primary mouse hepatocytes. <b>2009</b> , 94, 765-72	93
1190	Cross-scale, cross-pathway evaluation using an agent-based non-small cell lung cancer model. <b>2009</b> , 25, 2389-96	57
1189	Regenerative capacity of normal and irradiated liver following partial hepatectomy in rats. <b>2009</b> , 85, 1114-25	4
1188	Etiology, diagnosis, and pharmacologic treatment of pediatric pulmonary hypertension. <b>2009</b> , 11, 115-28	16
1187	Role of transforming growth factor beta in the regulation of thyroid function and growth. <b>2009</b> , 19, 881-92	39
1186	Inhibition of autoregulated TGFbeta signaling simultaneously enhances proliferation and differentiation of kidney epithelium and promotes repair following renal ischemia. <b>2009</b> , 174, 1291-308	61
1185	Integrin-mediated transforming growth factor-beta activation, a potential therapeutic target in fibrogenic disorders. <b>2009</b> , 175, 1362-70	108
1184	Biological mechanisms in palatogenesis and cleft palate. <b>2009</b> , 88, 22-33	108
1183	Transforming growth factor beta1 signalling, wound healing and repair: a multifunctional cytokine with clinical implications for wound repair, a delicate balance. <b>2009</b> , 85, 9-14	99
1182	Progression of glomerular and tubular disease in pediatrics. <b>2009</b> , 29, 412-24	5
1181	New insights into bone morphogenetic protein signaling: focus on angiogenesis. <b>2009</b> , 16, 195-201	39
1180	Role of Transforming Growth Factor Beta in Corneal Function, Biology and Pathology. <b>2010</b> , 10, 565-578	5

1179	The Role of Transforming Growth Factor- $\beta$ in Cardiac Fibrosis. <b>2010</b> , 6, 78-86	3
1178	Role of growth factors in the pathogenesis of tissue fibrosis in systemic sclerosis. <b>2010</b> , 6, 283-94	19
1177	Bone morphogenetic proteins and its receptors; therapeutic targets in cancer progression and bone metastasis?. <b>2010</b> , 16, 1291-300	30
1176	Syndecan-2 and decorin: proteoglycans with a difference—implications in keloid pathogenesis. <b>2010</b> , 68, 999-1008	18
1175	Enhanced postmyocardial infarction fibrosis via stimulation of the transforming growth factor- $\beta$ -Smad2 signaling pathway: role of transient receptor potential vanilloid type 1 channels. <b>2010</b> , 28, 367-76	24
1174	Endothelin-1 stimulation of proteoglycan synthesis in vascular smooth muscle is mediated by endothelin receptor transactivation of the transforming growth factor- $\beta$ type I receptor. <b>2010</b> , 56, 360-8	41
1173	TGF- $\beta$ signaling and the role of inhibitory Smads in non-small cell lung cancer. <b>2010</b> , 5, 417-9	63
1172	Biomaterial Applications in the Adult Skeletal Muscle Satellite Cell Niche: Deliberate Control of Muscle Stem Cells and Muscle Regeneration in the Aged Niche. <b>2010</b> , 275-308	1
1171	Scavenging of reactive oxygen species in mitochondria induces myofibroblast differentiation. <b>2010</b> , 13, 1297-307	26
1170	Foxp3 positive regulatory T cells: a functional regulation by the E3 ubiquitin ligase Itch. <b>2010</b> , 32, 149-56	8
1169	TGF- $\beta$ stimulates biglycan synthesis via p38 and ERK phosphorylation of the linker region of Smad2. <b>2010</b> , 67, 2077-90	70
1168	Positive and negative transcriptional regulation of the Foxp3 gene is mediated by access and binding of the Smad3 protein to enhancer I. <b>2010</b> , 33, 313-25	142
1167	The predictive value of genes of the TGF- $\beta$ 1 pathway in multimodally treated squamous cell carcinoma of the esophagus. <b>2010</b> , 25, 515-21	9
1166	Genetics of keloid scarring. <b>2010</b> , 302, 319-39	175
1165	Coordination of chondrogenesis and osteogenesis by hypertrophic chondrocytes in endochondral bone development. <b>2010</b> , 28, 489-502	22
1164	14-3-3 sigma and 14-3-3 zeta plays an opposite role in cell growth inhibition mediated by transforming growth factor- $\beta$ 1. <b>2010</b> , 29, 305-9	26
1163	TGF- $\beta$ 3 inhibits chondrogenesis by suppressing precartilaginous condensation through stimulation of N-cadherin shedding and reduction of cRREB-1 expression. <b>2010</b> , 29, 425-32	12
1162	Changes in glomerular mesangium in kidneys with congenital nephrotic syndrome of the Finnish type. <b>2010</b> , 25, 867-75	6

1161	The role of Smad signaling in vascular and hematopoietic development revealed by studies using genetic mouse models. <b>2010</b> , 53, 485-9	5
1160	Role for TGF-beta superfamily signaling in telencephalic GABAergic neuron development. <b>2010</b> , 2, 48-60	36
1159	Cell polarity in motion: redefining mammary tissue organization through EMT and cell polarity transitions. <b>2010</b> , 15, 149-68	66
1158	ROS-NFkappaB mediates TGF-beta1-induced expression of urokinase-type plasminogen activator, matrix metalloproteinase-9 and cell invasion. <b>2010</b> , 340, 195-202	144
1157	The effect of NELL1 and bone morphogenetic protein-2 on calvarial bone regeneration. <b>2010</b> , 68, 300-8	42
1156	Molecular actions and therapeutic potential of lithium in preclinical and clinical studies of CNS disorders. <b>2010</b> , 128, 281-304	166
1155	Disruption of Smad-dependent signaling for growth of GST-P-positive lesions from the early stage in a rat two-stage hepatocarcinogenesis model. <b>2010</b> , 246, 128-40	14
1154	Filamins in cell signaling, transcription and organ development. <b>2010</b> , 20, 113-23	226
1153	SMAD4--molecular gladiator of the TGF-beta signaling is trampled upon by mutational insufficiency in colorectal carcinoma of Kashmiri population: an analysis with relation to KRAS proto-oncogene. <b>2010</b> , 10, 300	13
1152	Phosphorylated smad2 in advanced stage gastric carcinoma. <b>2010</b> , 10, 652	35
1151	SKIP is required for TGF- $\beta$ -induced epithelial mesenchymal transition and migration in transformed keratinocytes. <b>2010</b> , 584, 4586-92	12
1150	M-Ras is activated by bone morphogenetic protein-2 and participates in osteoblastic determination, differentiation, and transdifferentiation. <b>2010</b> , 316, 477-90	27
1149	TGF-beta receptors, in a Smad-independent manner, are required for terminal skeletal muscle differentiation. <b>2010</b> , 316, 2487-503	37
1148	BAMBI is overexpressed in ovarian cancer and co-translocates with Smads into the nucleus upon TGF-beta treatment. <b>2010</b> , 117, 189-97	35
1147	Pentoxifylline attenuates transforming growth factor- $\beta$ -stimulated collagen deposition and elastogenesis in human tunica albuginea-derived fibroblasts part 1: impact on extracellular matrix. <b>2010</b> , 7, 2077-2085	52
1146	Segmental bone defects: from cellular and molecular pathways to the development of novel biological treatments. <b>2010</b> , 14, 2561-9	61
1145	Cytosolic phospholipase A2alpha and peroxisome proliferator-activated receptor gamma signaling pathway counteracts transforming growth factor beta-mediated inhibition of primary and transformed hepatocyte growth. <b>2010</b> , 52, 644-55	24
1144	E-cadherin antagonizes transforming growth factor $\beta$ gene induction in hepatic stellate cells by inhibiting RhoA-dependent Smad3 phosphorylation. <b>2010</b> , 52, 2053-64	58

1143	Spred2 inhibits TGF-beta1-induced urokinase type plasminogen activator expression, cell motility and epithelial mesenchymal transition. <b>2010</b> , 127, 77-85	8
1142	TAK1 regulates cartilage and joint development via the MAPK and BMP signaling pathways. <b>2010</b> , 25, 1784-97	63
1141	Tissue geometry patterns epithelial-mesenchymal transition via intercellular mechanotransduction. <b>2010</b> , 110, 44-51	144
1140	Transforming growth factor-beta suppressed Id-1 Expression in a smad3-dependent manner in LoVo cells. <b>2010</b> , 293, 42-7	4
1139	BMP-3 promotes mesenchymal stem cell proliferation through the TGF-beta/activin signaling pathway. <b>2010</b> , 223, 658-66	59
1138	Src is a major signaling component for CTGF induction by TGF-beta1 in osteoblasts. <b>2010</b> , 224, 691-701	30
1137	Glucosamine promotes osteogenic differentiation of dental pulp stem cells through modulating the level of the transforming growth factor-beta type I receptor. <b>2010</b> , 225, 140-51	15
1136	The effect of immobilized RGD peptide in macroporous alginate scaffolds on TGFbeta1-induced chondrogenesis of human mesenchymal stem cells. <b>2010</b> , 31, 6746-55	150
1135	Hereditary haemorrhagic telangiectasia: pathophysiology, diagnosis and treatment. <b>2010</b> , 24, 203-19	328
1134	Synthesis and biological evaluation of 2-pyridyl-substituted pyrazoles and imidazoles as transforming growth factor-beta type 1 receptor kinase inhibitors. <b>2010</b> , 20, 4228-32	24
1133	Epithelial-mesenchymal transition in primary human bronchial epithelial cells is Smad-dependent and enhanced by fibronectin and TNF-alpha. <b>2010</b> , 3, 2	142
1132	Prohibitin regulates TGF-beta induced apoptosis as a downstream effector of Smad-dependent and -independent signaling. <b>2010</b> , 70, 17-26	37
1131	Stem cell shape regulates a chondrogenic versus myogenic fate through Rac1 and N-cadherin. <b>2010</b> , 28, 564-72	300
1130	The role of transforming growth factor-beta in suppression of hepatic metastasis from colon cancer. <b>2010</b> , 12, 498-506	4
1129	Determination of the minimal melatonin exposure required to induce osteoblast differentiation from human mesenchymal stem cells and these effects on downstream signaling pathways. <b>2010</b> , 49, 222-38	86
1128	Cellular context-dependent "colors" of transforming growth factor-beta signaling. <b>2010</b> , 101, 306-12	67
1127	Combination effect of a TGF-beta receptor kinase inhibitor with 5-FU analog S1 on lymph node metastasis of scirrhus gastric cancer in mice. <b>2010</b> , 101, 1846-52	9
1126	Monocyte chemoattractant protein-1 is generated via TGF-beta by myofibroblasts in gastric intestinal metaplasia and carcinoma without H. pylori infection. <b>2010</b> , 101, 1783-9	16



1125	Mechanisms of transforming growth factor beta(1)/Smad signalling mediated by mitogen-activated protein kinase pathways in keloid fibroblasts. <b>2010</b> , 162, 538-46	81
1124	Extracellular matrix-induced transforming growth factor-beta receptor signaling dynamics. <b>2010</b> , 29, 2368-80	58
1123	Non-virus-mediated transfer of siRNAs against Runx2 and Smad4 inhibit heterotopic ossification in rats. <b>2010</b> , 17, 370-9	15
1122	Low-dose paclitaxel ameliorates renal fibrosis in rat UUO model by inhibition of TGF-beta/Smad activity. <b>2010</b> , 90, 436-47	92
1121	TGFbeta signalling: a complex web in cancer progression. <b>2010</b> , 10, 415-24	862
1120	Transforming growth factor- $\beta$ regulation of proteoglycan synthesis in vascular smooth muscle: contribution to lipid binding and accelerated atherosclerosis in diabetes. <b>2010</b> , 2, 233-42	46
1119	TAK1 mediates BMP signaling in cartilage. <b>2010</b> , 1192, 385-90	32
1118	Expression of bone morphogenetic proteins (BMPs) receptors in patients with B-cell chronic lymphocytic leukemia (B-CLL). <b>2010</b> , 32, e217-21	5
1117	B-type natriuretic peptide attenuates cardiac hypertrophy via the transforming growth factor- $\beta$ /smad7 pathway in vivo and in vitro. <b>2010</b> , 37, 283-9	19
1116	Alternative splicing of SMADs in differentiation and tissue homeostasis. <b>2010</b> , 52, 335-42	21
1115	Transforming growth factor beta2 is negatively regulated by endogenous retinoic acid during early heart morphogenesis. <b>2010</b> , 52, 433-55	7
1114	The ovary: basic biology and clinical implications. <b>2010</b> , 120, 963-72	293
1113	Bmp4-directed nuclear cyan fluorescent protein provides a tool for live imaging and reveals cellular resolution of Bmp4 expression patterns during embryogenesis. <b>2010</b> , 54, 931-8	8
1112	Myocyte Enhancer Factor 2 Transcription Factors in Heart Development and Disease. <b>2010</b> , 673-699	18
1111	Dedifferentiation and Redifferentiation in Epithelial Repair. <b>2010</b> , 151-167	
1110	Epithelial-mesenchymal Transition and Cell Invasion. <b>2010</b> , 26, 245-52	174
1109	Tumor-Bone Cell Interactions in Bone Metastases. <b>2010</b> , 9-40	1
1108	TGF $\beta$ attenuates expression of prolactin and IGFBP-1 in decidualized endometrial stromal cells by both SMAD-dependent and SMAD-independent pathways. <b>2010</b> , 5, e12970	14

1107	The role of the TGF- $\beta$ receptor endoglin in cancer. <b>2010</b> , 10, 2367-84	73
1106	Ocular gene transfer of active TGF-beta induces changes in anterior segment morphology and elevated IOP in rats. <b>2010</b> , 51, 308-18	55
1105	HSP27 modulates epithelial to mesenchymal transition of lung cancer cells in a Smad-independent manner. <b>2010</b> , 1, 1011-1016	23
1104	Dual Nature of TGF- $\beta$ in Osteoblastic Differentiation of Human Periodontal Ligament Cells. <b>2010</b> , 19, 187-194	11
1103	Hydroxyurea-induced global transcriptional suppression in mouse ES cells. <b>2010</b> , 31, 1661-8	9
1102	Molecular consequences of the ACVR1(R206H) mutation of fibrodysplasia ossificans progressiva. <b>2010</b> , 285, 22542-53	82
1101	Na,K-ATPase subunits as markers for epithelial-mesenchymal transition in cancer and fibrosis. <b>2010</b> , 9, 1515-24	60
1100	The role of NELL-1, a growth factor associated with craniosynostosis, in promoting bone regeneration. <b>2010</b> , 89, 865-78	87
1099	Pin1 promotes transforming growth factor-beta-induced migration and invasion. <b>2010</b> , 285, 1754-64	79
1098	Regulation of TGF-beta signalling by protein phosphatases. <b>2010</b> , 430, 191-8	70
1097	Mechanisms of Oncogenesis. <b>2010</b> ,	3
1096	Transforming growth factor-beta regulator SnoN modulates mammary gland branching morphogenesis, postlactational involution, and mammary tumorigenesis. <b>2010</b> , 70, 4204-13	24
1095	Transforming growth factor-beta1 induces transdifferentiation of myoblasts into myofibroblasts via up-regulation of sphingosine kinase-1/S1P3 axis. <b>2010</b> , 21, 1111-24	120
1094	Toxoplasma gondii activates hypoxia-inducible factor (HIF) by stabilizing the HIF-1alpha subunit via type I activin-like receptor kinase receptor signaling. <b>2010</b> , 285, 26852-26860	46
1093	BMP signaling promotes the growth of primary human colon carcinomas in vivo. <b>2010</b> , 2, 318-32	32
1092	TGF-beta and 'adaptive' Foxp3(+) regulatory T cells. <b>2010</b> , 2, 30-6	114
1091	The role of wnt signaling in physiological and pathological angiogenesis. <b>2010</b> , 107, 943-52	250
1090	The molecular mediators of type 2 epithelial to mesenchymal transition (EMT) and their role in renal pathophysiology. <b>2010</b> , 12, e17	49

1089	Induction of interleukin-6 expression by bone morphogenetic protein-6 in macrophages requires both SMAD and p38 signaling pathways. <b>2010</b> , 285, 39401-8	27
1088	Cellular and molecular basis for the regulation of inflammation by TGF-beta. <b>2010</b> , 147, 781-92	247
1087	Endoglin phosphorylation by ALK2 contributes to the regulation of prostate cancer cell migration. <b>2010</b> , 31, 359-66	27
1086	Smad3 regulates dermal cytokine and chemokine expression and specific antibody production in murine responses to a respiratory chemical sensitizer. <b>2010</b> , 151, 155-67	3
1085	CpG-oligodeoxynucleotide inhibits Smad-dependent bone morphogenetic protein signaling: effects on myeloma cell apoptosis and in vitro osteoblastogenesis. <b>2010</b> , 185, 3131-9	17
1084	Transforming Growth Factor- $\beta$ in Lung Cancer, Carcinogenesis, and Metastasis. <b>2010</b> , 633-671	1
1083	Epigenetic downregulation of human disabled homolog 2 switches TGF-beta from a tumor suppressor to a tumor promoter. <b>2010</b> , 120, 2842-57	74
1082	IKK $\beta$ controls canonical TGF $\beta$ /SMAD signaling to regulate genes expressing SNAIL and SLUG during EMT in panc1 cells. <b>2010</b> , 123, 4231-9	100
1081	Delivery of lyophilized Nell-1 in a rat spinal fusion model. <b>2010</b> , 16, 2861-70	48
1080	Ternary complex of transforming growth factor-beta1 reveals isoform-specific ligand recognition and receptor recruitment in the superfamily. <b>2010</b> , 285, 14806-14	107
1079	Upregulation of Nox4 by TGF $\beta$ 1 oxidizes SERCA and inhibits NO in arterial smooth muscle of the prediabetic Zucker rat. <b>2010</b> , 107, 975-83	82
1078	Tgfbeta signaling directly induces Arf promoter remodeling by a mechanism involving Smads 2/3 and p38 MAPK. <b>2010</b> , 285, 35654-64	23
1077	The RhoA activator GEF-H1/Lfc is a transforming growth factor-beta target gene and effector that regulates alpha-smooth muscle actin expression and cell migration. <b>2010</b> , 21, 860-70	78
1076	Bone and Development. <b>2010</b> ,	6
1075	Effects of bicyclol on immunological liver fibrosis in rats. <b>2010</b> , 12, 388-98	9
1074	Hypoxia-activated Smad3-specific dephosphorylation by PP2A. <b>2010</b> , 285, 3740-3749	44
1073	Thrombin stimulation of proteoglycan synthesis in vascular smooth muscle is mediated by protease-activated receptor-1 transactivation of the transforming growth factor beta type I receptor. <b>2010</b> , 285, 26798-26805	56
1072	Smad3 regulates Rho signaling via NET1 in the transforming growth factor-beta-induced epithelial-mesenchymal transition of human retinal pigment epithelial cells. <b>2010</b> , 285, 26618-27	42

1071	The role of SnoN in transforming growth factor beta1-induced expression of metalloprotease-disintegrin ADAM12. <b>2010</b> , 285, 21969-77	30
1070	Deletion of the receptor for advanced glycation end products reduces glomerulosclerosis and preserves renal function in the diabetic OVE26 mouse. <b>2010</b> , 59, 2043-54	135
1069	Antagonistic Smad transcription factors control the dauer/non-dauer switch in <i>C. elegans</i> . <b>2010</b> , 137, 477-85	31
1068	The TGF-beta co-receptor endoglin modulates the expression and transforming potential of H-Ras. <b>2010</b> , 31, 2145-54	17
1067	Epithelial-mesenchymal transition in pancreatic carcinoma. <b>2010</b> , 2, 2058-83	52
1066	Contribution of epithelial-mesenchymal transition to pancreatic cancer progression. <b>2010</b> , 2, 2084-97	13
1065	Smad2 protects against TGF-beta/Smad3-mediated renal fibrosis. <b>2010</b> , 21, 1477-87	258
1064	Type II transforming growth factor-beta receptor recycling is dependent upon the clathrin adaptor protein Dab2. <b>2010</b> , 21, 4009-19	48
1063	Antagonistic effect of the matricellular signaling protein CCN3 on TGF-beta- and Wnt-mediated fibrillinogenesis in systemic sclerosis and Marfan syndrome. <b>2010</b> , 130, 1514-23	35
1062	Smad7 inhibits transforming growth factor-beta family type I receptors through two distinct modes of interaction. <b>2010</b> , 285, 30804-13	46
1061	Enhancement of endoprosthesis anchoring using BMP-2. <b>2010</b> , 18, 217-29	9
1060	Role of cross-talk between the Smad2 and MAPK pathways in TGF-beta1-induced collagen IV expression in mesangial cells. <b>2010</b> , 26, 571-6	26
1059	Ubiquitination-dependent regulation of signaling receptors in cancer. <b>2010</b> , 1, 725-34	31
1058	Fighting of Casein kinase 1 and PP2A/Shugoshin for cohesins during meiosis I. <b>2010</b> , 9, 2954-2962	2
1057	Proteasomal regulation of pulmonary fibrosis. <b>2010</b> , 7, 77-83	31
1056	Tgf-Beta pathway as a therapeutic target in bone metastases. <b>2010</b> , 16, 1301-12	16
1055	Inhibition of Smad3 expression in radiation-induced fibrosis using a novel method for topical transcutaneous gene therapy. <b>2010</b> , 136, 714-9	33
1054	Proinflammatory and profibrotic mediators: principal effectors of leiomyoma development as a fibrotic disorder. <b>2010</b> , 28, 180-203	89

1053	Sequential activation of NFAT and c-Myc transcription factors mediates the TGF-beta switch from a suppressor to a promoter of cancer cell proliferation. <b>2010</b> , 285, 27241-27250	75
1052	Transforming growth factor- $\beta$ coordinately induces suppressor of cytokine signaling 3 and leukemia inhibitory factor to suppress osteoclast apoptosis. <b>2010</b> , 151, 1713-22	34
1051	p38alpha as an inducer of aneuploidy in p53-/- tetraploid cells. <b>2010</b> , 9, 2928	17
1050	Overeating yeast display fatty acid-induced necrotic cell death. <b>2010</b> , 9, 2929	1
1049	Bone morphogenetic protein 4 enhances canonical transient receptor potential expression, store-operated Ca <sup>2+</sup> entry, and basal [Ca <sup>2+</sup> ] <sub>i</sub> in rat distal pulmonary arterial smooth muscle cells. <b>2010</b> , 299, C1370-8	25
1048	A spotlight on regulatory networks connecting EMT and cancer stem cells. <b>2010</b> , 9, 2927	9
1047	PML promotes senescence via JAK/STAT signaling. <b>2010</b> , 9, 2931	26
1046	Transcription elongation takes central stage: the P-TEFb connection. <b>2010</b> , 9, 2933-4	11
1045	Cyclin independent role for cdk4/6 during B cell lymphoma survival. <b>2010</b> , 9, 2932	3
1044	A feedback loop between mTOR and tRNA expression?. <b>2010</b> , 9, 2934-5	4
1043	P-TEFb joins the family of cdks in oncology, promotes cell growth of cancer cells. <b>2010</b> , 9, 2935	2
1042	Role of TGF-betas in normal human endometrium and endometriosis. <b>2010</b> , 25, 101-9	115
1041	Inherited human diseases of heterotopic bone formation. <b>2010</b> , 6, 518-27	180
1040	Biomaterials as Stem Cell Niche: Cardiovascular Stem Cells. <b>2010</b> , 173-193	
1039	TGF- $\beta$ function in immune suppression. <b>2011</b> , 350, 127-47	131
1038	Targeting the transforming growth factor-beta signaling pathway in human cancer. <b>2010</b> , 19, 77-91	191
1037	Transforming growth factor-beta: a target for cancer therapy. <b>2010</b> , 7, 15-26	32
1036	Effect of budesonide on TGF-beta1-enhanced VEGF production by lung fibroblasts. <b>2010</b> , 34, 777-82	6

1035	Iron-induced expression of bone morphogenic protein 6 in intestinal cells is the main regulator of hepatic hepcidin expression in vivo. <b>2010</b> , 138, 372-82	54
1034	Antimetastatic role of Smad4 signaling in colorectal cancer. <b>2010</b> , 138, 969-80.e1-3	166
1033	Epithelial to mesenchymal transition is impaired in colon cancer cells with microsatellite instability. <b>2010</b> , 138, 1406-17	93
1032	To build a synapse: signaling pathways in neuromuscular junction assembly. <b>2010</b> , 137, 1017-33	378
1031	Bone morphogenic protein receptors and signal transduction. <b>2010</b> , 147, 35-51	714
1030	Overexpression of transforming growth factor (TGF)-beta1 and TGF-beta3 genes in lung of toxic-inhaled patients. <b>2010</b> , 36, 284-91	26
1029	TGF-beta and immune cells: an important regulatory axis in the tumor microenvironment and progression. <b>2010</b> , 31, 220-7	618
1028	HDAC-mediated control of ERK- and PI3K-dependent TGF-β-induced extracellular matrix-regulating genes. <b>2010</b> , 29, 602-12	64
1027	The TAK1-TRAF6 signalling pathway. <b>2010</b> , 42, 585-9	201
1026	Activin A induces SLC5A8 expression through the Smad3 signaling pathway in human colon cancer RKO cells. <b>2010</b> , 42, 1964-72	16
1025	LMP1 regulates periodontal ligament progenitor cell proliferation and differentiation. <b>2010</b> , 47, 55-64	22
1024	Circulating osteogenic cells: characterization and relationship to rates of bone loss in postmenopausal women. <b>2010</b> , 47, 83-92	32
1023	Induction of corneal myofibroblasts by lens-derived transforming growth factor beta1 (TGFbeta1): a transgenic mouse model. <b>2010</b> , 81, 287-96	18
1022	TNFalpha and TGF-beta1 influence IL-18-induced IFNgamma production through regulation of IL-18 receptor and T-bet expression. <b>2010</b> , 49, 177-84	17
1021	Transforming growth factor beta (TGF-beta) and inflammation in cancer. <b>2010</b> , 21, 49-59	264
1020	Bmp signaling regulates myocardial differentiation from cardiac progenitors through a MicroRNA-mediated mechanism. <b>2010</b> , 19, 903-12	140
1019	Targeting the transforming growth factor-beta signalling pathway in metastatic cancer. <b>2010</b> , 46, 1232-40	75
1018	Transgenic models for cytokine-induced neurological disease. <b>2010</b> , 1802, 903-17	24

1017	Decreased expression of glutaredoxin 1 is required for transforming growth factor-beta1-mediated epithelial-mesenchymal transition of EpRas mammary epithelial cells. <b>2010</b> , 391, 1021-7	13
1016	Smad7 and Smad6 bind to discrete regions of Pellino-1 via their MH2 domains to mediate TGF-beta1-induced negative regulation of IL-1R/TLR signaling. <b>2010</b> , 393, 836-43	36
1015	Induced expression of bone morphogenetic protein-6 and Smads signaling in human monocytes derived dendritic cells during sickle-cell pathology with orthopedic complications. <b>2010</b> , 396, 950-5	2
1014	TGF $\beta$ and EGF synergistically induce a more invasive phenotype of epithelial ovarian cancer cells. <b>2010</b> , 401, 376-81	40
1013	The antifibrotic drug halofuginone inhibits proliferation and collagen production by human leiomyoma and myometrial smooth muscle cells. <b>2010</b> , 93, 1290-8	28
1012	Mechanisms of FSH synthesis: what we know, what we don't, and why you should care. <b>2010</b> , 93, 2465-85	113
1011	[The latest TH17 lymphocyte in the family of T CD4+ lymphocytes]. <b>2010</b> , 58, 437-43	3
1010	Overexpression of transforming growth factor $\beta$ in malignant prostate cells is partly caused by a runaway of TGF- $\beta$ auto-induction mediated through a defective recruitment of protein phosphatase 2A by TGF- $\beta$ -type I receptor. <b>2010</b> , 76, 1519.e8-13	24
1009	Growth differentiation factor 11 signaling controls retinoic acid activity for axial vertebral development. <b>2010</b> , 347, 195-203	24
1008	TGF- $\beta$ signaling in aortic aneurysm: another round of controversy. <b>2010</b> , 37, 583-91	21
1007	Epidermal Smad4 deletion results in aberrant wound healing. <b>2010</b> , 176, 122-33	42
1006	Aging fibroblasts resist phenotypic maturation because of impaired hyaluronan-dependent CD44/epidermal growth factor receptor signaling. <b>2010</b> , 176, 1215-28	59
1005	Regulation of protein turnover by longevity pathways. <b>2010</b> , 694, 69-80	26
1004	Potential of Periodontal Ligament Cells to Regenerate Alveolar Bone. <b>2010</b> , 52, 72-80	3
1003	Small-molecule inhibitors of transforming growth factor- $\beta$ -type I receptor kinase (ALK5). <b>2010</b> , 255-259	3
1002	Notch signaling in the regulation of stem cell self-renewal and differentiation. <b>2010</b> , 92, 367-409	217
1001	The Tumor Microenvironment. <b>2010</b> ,	4
1000	Biomaterials as Stem Cell Niche. <b>2010</b> ,	1

999	The effect of transforming growth factor-beta1 on nasopharyngeal carcinoma cells: insensitive to cell growth but functional to TGF-beta/Smad pathway. <b>2010</b> , 29, 35	12
998	Transcriptional regulation of matrix metalloproteinase-1 and collagen 1A2 explains the anti-fibrotic effect exerted by proteasome inhibition in human dermal fibroblasts. <b>2010</b> , 12, R73	32
997	Proteomics of Smad4 regulated transforming growth factor-beta signalling in colon cancer cells. <b>2010</b> , 6, 2332-8	29
996	Peptide ligands that use a novel binding site to target both TGF- $\beta$ receptors. <b>2010</b> , 6, 2392-402	20
995	Combinatorial activin receptor-like kinase/Smad and basic fibroblast growth factor signals stimulate the differentiation of human embryonic stem cells into the cardiac lineage. <b>2011</b> , 20, 1479-90	16
994	Low doses of bone morphogenetic protein 4 increase the survival of human adipose-derived stem cells maintaining their stemness and multipotency. <b>2011</b> , 20, 1011-9	48
993	Emerging pathways and future targets for the molecular therapy of pancreatic cancer. <b>2011</b> , 15, 1183-96	42
992	Trimodal glioblastoma treatment consisting of concurrent radiotherapy, temozolomide, and the novel TGF- $\beta$ receptor I kinase inhibitor LY2109761. <b>2011</b> , 13, 537-49	67
991	Bone morphogenetic protein 4 induces differentiation of colorectal cancer stem cells and increases their response to chemotherapy in mice. <b>2011</b> , 140, 297-309	173
990	Recent insights into the genetics of inflammatory bowel disease. <b>2011</b> , 140, 1704-12	312
989	Epithelial-mesenchymal interactions in pulmonary fibrosis. <b>2011</b> , 73, 413-35	286
988	Notch signaling: simplicity in design, versatility in function. <b>2011</b> , 138, 3593-612	661
987	Smad3: adding complexity: the role of Smad3 in epithelial-myofibroblast transition. <b>2011</b> , 193, 41-52	52
986	The Genetics of Mitral Valve Prolapse. <b>2011</b> , 239-242	
985	Actin cytoskeleton in myofibroblast differentiation: ultrastructure defining form and driving function. <b>2011</b> , 158, 181-96	92
984	Local regulation of growth plate cartilage. <b>2011</b> , 21, 12-22	15
983	The molecular biology of colorectal carcinoma and its implications: a review. <b>2011</b> , 9, 200-10	47
982	Epigenetic Alteration by DNA Promoter Hypermethylation of Genes Related to Transforming Growth Factor- $\beta$ Signaling in Cancer. <b>2011</b> , 3, 982-93	11



981	Clinical Cardiogenetics. <b>2011</b> ,	3
980	Signalling pathways involved in endocrine resistance in breast cancer and associations with epithelial to mesenchymal transition (Review). <b>2011</b> , 38, 1197-217	45
979	Antagonism of activin by activin chimeras. <b>2011</b> , 85, 105-28	4
978	Imaging bone morphogenetic protein 7 induced cell cycle arrest in experimental gliomas. <b>2011</b> , 13, 276-85	25
977	Protein Tyrosine Phosphatase 1B (PTP1B) deficiency accelerates hepatic regeneration in mice. <b>2011</b> , 178, 1591-604	26
976	Temporal smad7 transgene induction in mouse epidermis accelerates skin wound healing. <b>2011</b> , 179, 1768-79	31
975	Few Smad proteins and many Smad-interacting proteins yield multiple functions and action modes in TGF $\beta$ /BMP signaling in vivo. <b>2011</b> , 22, 287-300	80
974	Endothelial Smad4 maintains cerebrovascular integrity by activating N-cadherin through cooperation with Notch. <b>2011</b> , 20, 291-302	170
973	Switching TGF $\beta$ from a tumor suppressor to a tumor promoter. <b>2011</b> , 21, 93-9	162
972	TGF $\beta$ 1 inhibits the growth and metastasis of tongue squamous carcinoma cells through Smad4. <b>2011</b> , 485, 160-6	7
971	TGF $\beta$ -related mechanisms of bone destruction in multiple myeloma. <b>2011</b> , 48, 129-34	72
970	TGF $\beta$ in cancer and bone: implications for treatment of bone metastases. <b>2011</b> , 48, 23-9	113
969	Human ovarian cancer cell morphology, motility, and proliferation are differentially influenced by autocrine TGF $\beta$ superfamily signalling. <b>2011</b> , 313, 108-21	21
968	Differentiation of human rhabdomyosarcoma RD cells is regulated by reciprocal, functional interactions between myostatin, p38 and extracellular regulated kinase signalling pathways. <b>2011</b> , 47, 1095-105	13
967	EW-7195, a novel inhibitor of ALK5 kinase inhibits EMT and breast cancer metastasis to lung. <b>2011</b> , 47, 2642-53	35
966	Point mutated caveolin-3 form (P104L) impairs myoblast differentiation via Akt and p38 signalling reduction, leading to an immature cell signature. <b>2011</b> , 1812, 468-79	18
965	Single-molecule imaging revealed enhanced dimerization of transforming growth factor $\beta$ type II receptors in hypertrophic cardiomyocytes. <b>2011</b> , 407, 313-7	11
964	TGF $\beta$ signals the formation of a unique NF1/Smad4-dependent transcription repressor-complex in human diploid fibroblasts. <b>2011</b> , 411, 648-53	7

963	Wound-induced TGF- $\beta$ 1 and TGF- $\beta$ 2 enhance airway epithelial repair via HB-EGF and TGF- $\beta$ 2. <b>2011</b> , 412, 109-14	18
962	RLIM interacts with Smurf2 and promotes TGF- $\beta$ -induced U2OS cell migration. <b>2011</b> , 414, 181-5	19
961	L-carnosine inhibits high-glucose-mediated matrix accumulation in human mesangial cells by interfering with TGF- $\beta$ production and signalling. <b>2011</b> , 26, 3852-8	21
960	Myofibroblast differentiation during fibrosis: role of NAD(P)H oxidases. <b>2011</b> , 79, 944-56	288
959	Coronin 1A is an essential regulator of the TGF- $\beta$ receptor/SMAD3 signaling pathway in Th17 CD4(+) T cells. <b>2011</b> , 37, 198-208	26
958	The TGF- $\beta$ signaling modulators TRAP1/TGFBRAP1 and VPS39/Vam6/TLP are essential for early embryonic development. <b>2011</b> , 216, 343-50	24
957	Transcriptional regulation of Foxp3 in regulatory T cells. <b>2011</b> , 216, 678-85	32
956	Activin A stimulates mouse macrophages to express APRIL via the Smad3 and ERK/CREB pathways. <b>2011</b> , 140, 92-6	9
955	Tyrosine kinases in inflammatory dermatologic disease. <b>2011</b> , 65, 389-403	6
954	Biomolecular strategies of bone augmentation in spinal surgery. <b>2011</b> , 17, 215-22	24
953	TGF- $\beta$ and restenosis revisited: a Smad link. <b>2011</b> , 167, 287-97	49
952	Six1 regulates Grem1 expression in the metanephric mesenchyme to initiate branching morphogenesis. <b>2011</b> , 352, 141-51	31
951	Transforming growth factor (TGF)- $\beta$ signaling in cardiac remodeling. <b>2011</b> , 51, 600-6	646
950	Deprivation of MKK7 in cardiomyocytes provokes heart failure in mice when exposed to pressure overload. <b>2011</b> , 50, 702-11	24
949	More than being protective: functional roles for TGF- $\beta$ /activin signaling pathways at central synapses. <b>2011</b> , 34, 421-9	87
948	Bone Morphogenetic Protein functions as a context-dependent angiogenic cue in vertebrates. <b>2011</b> , 22, 1012-8	28
947	The specific linker phosphorylation of Smad2/3 indicates epithelial stem cells in stomach; particularly increasing in mucosae of Helicobacter-associated gastritis. <b>2011</b> , 46, 456-68	16
946	TGF- $\beta$ pathway as a new target for neuroprotection in Alzheimer's disease. <b>2011</b> , 17, 237-49	76

945	TGF- $\beta$ signaling in fibrosis. <b>2011</b> , 29, 196-202	684
944	The BMP-7-Smad1/5/8 pathway promotes kidney repair after obstruction induced renal injury. <b>2011</b> , 185, 2523-30	47
943	Roles of TGF- $\beta$ signals in endothelial-mesenchymal transition during cardiac fibrosis. <b>2011</b> , 2011, 724080	80
942	TGF- $\beta$ and Bim: Partners in cell death. <b>2011</b> ,	
941	Molecular Basis for Heart Failure. <b>2011</b> , 7-31	1
940	Inhibition of TGF $\beta$ 1 expression by lithium: implications for TGF $\beta$ 1-linked corneal dystrophy therapy. <b>2011</b> , 52, 3293-300	33
939	TGF-beta-dependent and -independent roles of STRAP in cancer. <b>2011</b> , 16, 105-15	18
938	Inhibition of TGF- Signaling for the Treatment of Tumor Metastasis and Fibrotic Diseases. <b>2011</b> , 6, 29-43	2
937	Regulation of TGF- $\beta$ -Induced Pro-Apoptotic Signaling by Growth Factor Receptors and Extracellular Matrix Receptor Integrins in the Liver. <b>2011</b> , 2, 78	31
936	The paradigm of G protein receptor transactivation: a mechanistic definition and novel example. <b>2011</b> , 11, 709-14	22
935	A possible mechanism of impaired NK cytotoxicity in cancer patients: Down-regulation of DAP10 by TGF- $\beta$ . <b>2011</b> , 97, 350-357	14
934	Stroma regulates increased epithelial lateral cell adhesion in 3D culture: a role for actin/cadherin dynamics. <b>2011</b> , 6, e18796	25
933	Mutations in protein-binding hot-spots on the hub protein Smad3 differentially affect its protein interactions and Smad3-regulated gene expression. <b>2011</b> , 6, e25021	10
932	TTRAP is a novel component of the non-canonical TRAF6-TAK1 TGF- $\beta$ signaling pathway. <b>2011</b> , 6, e25548	15
931	Expression of transforming growth factor- $\beta$ -responsive smads in cranial suture development and closure. <b>2011</b> , 22, 324-8	3
930	The potential role of functional inhibition of T regulatory cells by anti-TGF- $\beta$ antibody in photodynamic therapy of renal cancer. <b>2011</b> ,	
929	Increased transforming growth factor $\beta$ contributes to deterioration of refrigerated fresh frozen plasma's effects in vitro on endothelial cells. <b>2011</b> , 36, 54-9	11
928	Transforming growth factor beta in pancreatic cancer. <b>2011</b> , 12, 2158-64	24

927	A novel mouse model of cutaneous radiation injury. <b>2011</b> , 127, 560-568	43
926	TGF- $\beta$ signaling in high-grade gliomas. <b>2011</b> , 12, 2150-7	42
925	The Src family kinase inhibitors PP2 and PP1 block TGF-beta1-mediated cellular responses by direct and differential inhibition of type I and type II TGF-beta receptors. <b>2011</b> , 11, 524-35	32
924	Role of TGF- $\beta$ in melanoma. <b>2011</b> , 12, 2165-75	40
923	Effects of TGF- $\beta$ signaling blockade on human A549 lung adenocarcinoma cell lines. <b>2011</b> , 4, 1007-15	24
922	SMAD3 prevents graft-versus-host disease by restraining Th1 differentiation and granulocyte-mediated tissue damage. <b>2011</b> , 117, 1734-44	37
921	Effect of efonidipine on TGF- $\beta$ -induced cardiac fibrosis through Smad2-dependent pathway in rat cardiac fibroblasts. <b>2011</b> , 117, 98-105	37
920	Diverse roles of TGF- $\beta$ /Smads in renal fibrosis and inflammation. <b>2011</b> , 7, 1056-67	433
919	TGF- $\beta$ mediates epithelial to mesenchymal transition via the TGF- $\beta$ /Smad pathway in squamous cell carcinoma of the head and neck. <b>2011</b> , 25, 1581-7	25
918	Expression of TGF $\beta$ and its receptors is associated with biological features of ovarian cancer and sensitivity to paclitaxel/carboplatin. <b>2011</b> , 25, 1131-8	12
917	Mad for SMAD: unraveling the genetics of a new aneurysm syndrome. <b>2011</b> , 79, 510-1	1
916	Left-right determination factor is down-regulated in fibrotic renal tissue of human hydronephrosis. <b>2011</b> , 107, 1002-8	5
915	The role of oocyte-secreted factors GDF9 and BMP15 in follicular development and oogenesis. <b>2011</b> , 46, 354-61	83
914	EW-7203, a novel small molecule inhibitor of transforming growth factor- $\beta$ (TGF- $\beta$ ) type I receptor/activin receptor-like kinase-5, blocks TGF- $\beta$ -mediated epithelial-to-mesenchymal transition in mammary epithelial cells. <b>2011</b> , 102, 1889-96	25
913	Collagen triple helix repeat containing-1 inhibits transforming growth factor-b1-induced collagen type I expression in keloid. <b>2011</b> , 164, 1030-6	28
912	The mechanism of TGF- $\beta$ signaling during palate development. <b>2011</b> , 17, 733-44	76
911	Distinct signalling pathways regulate sprouting angiogenesis from the dorsal aorta and the axial vein. <b>2011</b> , 13, 686-92	145
910	Control of the development of CD8 $\beta$ intestinal intraepithelial lymphocytes by TGF- $\beta$ <b>2011</b> , 12, 312-9	100

909	Potent inhibition of heterotopic ossification by nuclear retinoic acid receptor- $\beta$ agonists. <b>2011</b> , 17, 454-60	222
908	CdGAP is required for transforming growth factor $\beta$ and Neu/ErbB-2-induced breast cancer cell motility and invasion. <b>2011</b> , 30, 1032-45	24
907	Opposite functions of HIF- $\beta$ isoforms in VEGF induction by TGF- $\beta$ under non-hypoxic conditions. <b>2011</b> , 30, 1213-28	43
906	Transforming growth factor- $\beta$ regulates the sphere-initiating stem cell-like feature in breast cancer through miRNA-181 and ATM. <b>2011</b> , 30, 1470-80	238
905	Transforming growth factor- $\beta$ decreases the cancer-initiating cell population within diffuse-type gastric carcinoma cells. <b>2011</b> , 30, 1693-705	66
904	Nodal enhances the activity of FoxO3a and its synergistic interaction with Smads to regulate cyclin G2 transcription in ovarian cancer cells. <b>2011</b> , 30, 3953-66	56
903	Progression of BRAF-induced thyroid cancer is associated with epithelial-mesenchymal transition requiring concomitant MAP kinase and TGF $\beta$ signaling. <b>2011</b> , 30, 3153-62	145
902	Resveratrol targets transforming growth factor- $\beta$ signaling to block UV-induced tumor progression. <b>2011</b> , 131, 195-202	45
901	Interferon consensus sequence binding protein-induced cell proliferation is mediated by TGF- $\beta$ signaling and p38 MAPK activation. <b>2011</b> , 91, 1304-13	6
900	The role of Smad signaling in hematopoiesis and translational hematology. <b>2011</b> , 25, 1379-88	81
899	Caveolins in rhabdomyosarcoma. <b>2011</b> , 15, 2553-68	12
898	Activation of mitogen activated protein kinase-Erk kinase (MEK) increases T cell immunoglobulin mucin domain-3 (TIM-3) transcription in human T lymphocytes and a human mast cell line. <b>2011</b> , 48, 1778-83	13
897	The relationship between fibrogenic TGF $\beta$ signaling in the joint and cartilage degradation in post-injury osteoarthritis. <b>2011</b> , 19, 1081-90	42
896	Aberrant expression in multiple components of the transforming growth factor- $\beta$ -induced Smad signaling pathway during 7,12-dimethylbenz[a]anthracene-induced hamster buccal-pouch squamous-cell carcinogenesis. <b>2011</b> , 47, 262-7	9
895	The role of the microenvironment in tumor growth and invasion. <b>2011</b> , 106, 353-79	120
894	Activation of the TGF- $\beta$ /Smad signaling pathway in oncogenic transformation by v-Rel. <b>2011</b> , 413, 60-71	12
893	The cytoplasmic domain of TGF $\beta$ 3 through its interaction with the scaffolding protein, GIPC, directs epicardial cell behavior. <b>2011</b> , 358, 331-43	26
892	Community effect triggers terminal differentiation of myogenic cells derived from muscle satellite cells by quenching Smad signaling. <b>2011</b> , 317, 221-33	11

891	Apoptotic role of TGF- $\beta$ mediated by Smad4 mitochondria translocation and cytochrome c oxidase subunit II interaction. <b>2011</b> , 317, 1608-20	24
890	Bone morphogenetic protein -4 and -5 in pancreatic cancer--novel bidirectional players. <b>2011</b> , 317, 2136-46	37
889	Loss of Smad3 gives rise to poor soft callus formation and accelerates early fracture healing. <b>2011</b> , 90, 107-15	15
888	Loss of expression of TGF- $\beta$ and their receptors in chronic skin lesions induced by sulfur mustard as compared with chronic contact dermatitis patients. <b>2011</b> , 11, 2	23
887	Synthesis and biological evaluation of 1-substituted-3(5)-(6-methylpyridin-2-yl)-4-(quinoxalin-6-yl)pyrazoles as transforming growth factor- $\beta$ type 1 receptor kinase inhibitors. <b>2011</b> , 46, 3917-25	24
886	Dynamics of TGF- $\beta$ induced epithelial-to-mesenchymal transition monitored by electric cell-substrate impedance sensing. <b>2011</b> , 1813, 2099-107	26
885	Gene regulation by SMAR1: Role in cellular homeostasis and cancer. <b>2011</b> , 1815, 1-12	19
884	Synthesis and biological evaluation of 1-substituted-3-(6-methylpyridin-2-yl)-4-([1,2,4]triazolo[1,5-a]pyridin-6-yl)pyrazoles as transforming growth factor- $\beta$ type 1 receptor kinase inhibitors. <b>2011</b> , 21, 6049-53	25
883	TAK1 lysine 158 is required for TGF- $\beta$ induced TRAF6-mediated Smad-independent IKK/NF- $\kappa$ B and JNK/AP-1 activation. <b>2011</b> , 23, 222-7	56
882	Connective tissue growth factor induction by lysophosphatidic acid requires transactivation of transforming growth factor type $\beta$ receptors and the JNK pathway. <b>2011</b> , 23, 449-57	42
881	Homomeric and heteromeric complexes among TGF- $\beta$ and BMP receptors and their roles in signaling. <b>2011</b> , 23, 1424-32	68
880	Odontogenic ameloblasts-associated protein (ODAM), via phosphorylation by bone morphogenetic protein receptor type IB (BMPRII), is implicated in ameloblast differentiation. <b>2012</b> , 113, 1754-65	14
879	Evolvability and robustness in a complex signalling circuit. <b>2011</b> , 7, 1081-92	21
878	TGF- $\beta$ and its coreceptors in cancerogenesis: an overview. <b>2011</b> , 5, 855-63	11
877	Transforming growth factor-beta1 (TGF-beta1) utilizes distinct pathways for the transcriptional activation of microRNA 143/145 in human coronary artery smooth muscle cells. <b>2011</b> , 286, 30119-29	104
876	When tumor suppressor TGF $\beta$ meets the HER2 (ERBB2) oncogene. <b>2011</b> , 16, 81-8	42
875	MicroRNA profile indicates downregulation of the TGF $\beta$ pathway in sporadic non-functioning pituitary adenomas. <b>2011</b> , 14, 112-24	85
874	Long-term modulation of Na <sup>+</sup> and K <sup>+</sup> channels by TGF- $\beta$ in neonatal rat cardiac myocytes. <b>2011</b> , 461, 235-47	31

873	BMP-6 inhibits MMP-9 expression by regulating heme oxygenase-1 in MCF-7 breast cancer cells. <b>2011</b> , 137, 985-95	26
872	Asiaticoside suppresses collagen expression and TGF- $\beta$ /Smad signaling through inducing Smad7 and inhibiting TGF- $\beta$ I and TGF- $\beta$ II in keloid fibroblasts. <b>2011</b> , 303, 563-72	90
871	Cytokine networks in glioma. <b>2011</b> , 34, 253-63; discussion 263-4	35
870	Smad linker region phosphorylation in the regulation of extracellular matrix synthesis. <b>2011</b> , 68, 97-107	55
869	Growth factor delivery through self-assembling peptide scaffolds. <b>2011</b> , 469, 2716-24	27
868	TGF- $\beta$ in the Bone Microenvironment: Role in Breast Cancer Metastases. <b>2011</b> , 4, 261-81	60
867	Homing of cancer cells to the bone. <b>2011</b> , 4, 221-35	54
866	Retinoic acid induces expression of Ig germ line $\beta$ transcript, an IgA isotype switching indicative, through retinoic acid receptor. <b>2011</b> , 33, 83-88	13
865	Effects of Panax notoginsoside on the expression of TGF- $\beta$ and Smad-7 in renal tissues of diabetic rats. <b>2011</b> , 31, 190	11
864	Side population cells in human gallbladder cancer cell line GBC-SD regulated by TGF- $\beta$ -induced epithelial-mesenchymal transition. <b>2011</b> , 31, 749-755	11
863	Role of altered signal transduction in heterotopic ossification and fibrodysplasia ossificans progressiva. <b>2011</b> , 9, 83-8	25
862	Keratin 23, a novel DPC4/Smad4 target gene which binds 14-3-3. <b>2011</b> , 11, 137	21
861	HNF1 $\beta$ inhibition triggers epithelial-mesenchymal transition in human liver cancer cell lines. <b>2011</b> , 11, 427	26
860	Eriobotrya japonica hydrophilic extract modulates cytokines in normal tissues, in the tumor of Meth-A-fibrosarcoma bearing mice, and enhances their survival time. <b>2011</b> , 11, 9	21
859	Inductive specification and axonal orientation of spinal neurons mediated by divergent bone morphogenetic protein signaling pathways. <b>2011</b> , 6, 36	26
858	Elevated transforming growth factor $\beta$ and mitogen-activated protein kinase pathways mediate fibrotic traits of Dupuytren's disease fibroblasts. <b>2011</b> , 4, 14	44
857	Analysis of BMP4 and BMP7 signaling in breast cancer cells unveils time-dependent transcription patterns and highlights a common synexpression group of genes. <b>2011</b> , 4, 80	18
856	Epithelial-Mesenchymal Transition in tumor microenvironment. <b>2011</b> , 1, 29	183

855	Bone morphogenetic protein-2 functions as a negative regulator in the differentiation of myoblasts, but not as an inducer for the formations of cartilage and bone in mouse embryonic tongue. <b>2011</b> , 11, 44	14
854	The dynamic roles of TGF- $\beta$ in cancer. <b>2011</b> , 223, 205-18	277
853	Ski, a modulator of wound healing and scar formation in the rat skin and rabbit ear. <b>2011</b> , 223, 659-71	41
852	Low-dose paclitaxel ameliorates fibrosis in the remnant kidney model by down-regulating miR-192. <b>2011</b> , 225, 364-77	90
851	Quantitative phosphoproteomics of transforming growth factor- $\beta$ signaling in colon cancer cells. <b>2011</b> , 11, 3390-401	23
850	Signaling pathways in early cardiac development. <b>2011</b> , 3, 191-205	14
849	Impact of Smad3 loss of function on scarring and adhesion formation during tendon healing. <b>2011</b> , 29, 684-93	80
848	Dexamethasone modulates osteogenesis and adipogenesis with regulation of osterix expression in rat calvaria-derived cells. <b>2011</b> , 226, 739-48	41
847	Familial cardiac valvulopathy due to filamin A mutation. <b>2011</b> , 155A, 2236-41	28
846	Transforming growth factor- $\beta$ adaptor, $\beta$ -spectrin, modulates cyclin dependent kinase 4 to reduce development of hepatocellular cancer. <b>2011</b> , 53, 1676-84	39
845	Dysfunctional transforming growth factor- $\beta$ signaling with constitutively active Notch signaling in Barrett's esophageal adenocarcinoma. <b>2011</b> , 117, 3691-702	43
844	Dynamic smad-mediated BMP signaling revealed through transgenic zebrafish. <b>2011</b> , 240, 712-22	57
843	Tgf $\beta$ /Alk5 signaling is required for shear stress induced klf2 expression in embryonic endothelial cells. <b>2011</b> , 240, 1670-80	48
842	Oncogenic Smad3 signaling induced by chronic inflammation is an early event in ulcerative colitis-associated carcinogenesis. <b>2011</b> , 17, 683-95	28
841	Inhibitory effects of iron on bone morphogenetic protein 2-induced osteoblastogenesis. <b>2011</b> , 26, 1188-96	82
840	Regulation of RANKL-induced osteoclastogenesis by TGF- $\beta$ through molecular interaction between Smad3 and Traf6. <b>2011</b> , 26, 1447-56	81
839	Smad6 is essential to limit BMP signaling during cartilage development. <b>2011</b> , 26, 2498-510	48
838	Central nervous system cytokine gene expression: modulation by lead. <b>2011</b> , 25, 41-54	44



837	TGF- $\beta$ regulates E-catenin signaling and osteoblast differentiation in human mesenchymal stem cells. <b>2011</b> , 112, 1651-60	89
836	Dichotomous response to transforming growth factor $\beta$ after T cell receptor activation by naive CD4 <sup>+</sup> T cells from DBA/1 mice: enhanced retinoic acid receptor-related orphan nuclear receptor $\beta$ expression yet reduced FoxP3 expression. <b>2011</b> , 63, 118-26	6
835	The origin of the myofibroblast in fibroproliferative vasculopathy: does the endothelial cell steer the pathophysiology of systemic sclerosis?. <b>2011</b> , 63, 2164-7	19
834	BMP signaling in congenital heart disease: new developments and future directions. <b>2011</b> , 91, 441-8	43
833	The kinases MEKK2 and MEKK3 regulate transforming growth factor- $\beta$ -mediated helper T cell differentiation. <b>2011</b> , 34, 201-12	42
832	Synthesis and biological evaluation of 1-substituted-3(5)-(6-methylpyridin-2-yl)-4-(quinolin-6-yl)pyrazoles as transforming growth factor- $\beta$ type 1 receptor kinase inhibitors. <b>2011</b> , 19, 2633-40	23
831	TbetaRI/Alk5-independent TbetaRII signaling to ERK1/2 in human skin cells according to distinct levels of TbetaRII expression. <b>2011</b> , 124, 19-24	37
830	Smad7 expression in T cells prevents colitis-associated cancer. <b>2011</b> , 71, 7423-32	49
829	Molecular imaging of TGF $\beta$ -induced Smad2/3 phosphorylation reveals a role for receptor tyrosine kinases in modulating TGF $\beta$ signaling. <b>2011</b> , 17, 7424-39	38
828	Targeting blood-brain barrier changes during inflammatory pain: an opportunity for optimizing CNS drug delivery. <b>2011</b> , 2, 1015-41	44
827	Activins and cell migration. <b>2011</b> , 85, 129-48	5
826	Haplotype association mapping of acute lung injury in mice implicates activin a receptor, type 1. <b>2011</b> , 183, 1499-509	36
825	Expression of cyclin A and bone morphogenetic protein receptors and response to induction therapy in patients with acute leukemias. <b>2011</b> , 52, 2336-41	2
824	Screening and identification of a novel class of TGF- $\beta$ type 1 receptor kinase inhibitor. <b>2011</b> , 16, 724-33	8
823	c-Jun N-terminal kinase 1 promotes transforming growth factor- $\beta$ -induced epithelial-to-mesenchymal transition via control of linker phosphorylation and transcriptional activity of Smad3. <b>2011</b> , 44, 571-81	58
822	Role of transforming growth factor- $\beta$ in airway remodeling in asthma. <b>2011</b> , 44, 127-33	263
821	TGF-beta1 promotes migration and invasion of salivary adenoid cystic carcinoma. <b>2011</b> , 90, 804-9	51
820	TGF $\beta$ -dependent induction of interleukin-11 and interleukin-8 involves SMAD and p38 MAPK pathways in breast tumor models with varied bone metastases potential. <b>2011</b> , 11, 311-6	41

819	Conditional transgenic expression of fibroblast growth factor 9 in the adult mouse heart reduces heart failure mortality after myocardial infarction. <b>2011</b> , 123, 504-14	48
818	MicroRNA 376c enhances ovarian cancer cell survival by targeting activin receptor-like kinase 7: implications for chemoresistance. <b>2011</b> , 124, 359-68	114
817	The lens as a model for fibrotic disease. <b>2011</b> , 366, 1301-19	74
816	Transforming growth factor- $\beta$ 1 whey protein component, strengthens the intestinal barrier by upregulating claudin-4 in HT-29/B6 cells. <b>2011</b> , 141, 783-9	74
815	Smad1 and its target gene Wif1 coordinate BMP and Wnt signaling activities to regulate fetal lung development. <b>2011</b> , 138, 925-35	44
814	Outgrowth of drug-resistant carcinomas expressing markers of tumor aggression after long-term TBI/II kinase inhibition with LY2109761. <b>2011</b> , 71, 2339-49	64
813	Suppression of latent transforming growth factor (TGF)- $\beta$ 1 restores growth inhibitory TGF- $\beta$ signaling through microRNAs. <b>2011</b> , 286, 16447-58	27
812	Regulation of transforming growth factor- $\beta$ -dependent integrin $\beta$ expression by p38 mitogen-activated protein kinase in bile duct epithelial cells. <b>2011</b> , 337, 471-8	22
811	Induction of monocyte chemoattractant protein-1 and interleukin-10 by TGF $\beta$ 1 in melanoma enhances tumor infiltration and immunosuppression. <b>2011</b> , 71, 812-21	53
810	Blockade of TGF- $\beta$ signaling by the TGF $\beta$ -I kinase inhibitor LY2109761 enhances radiation response and prolongs survival in glioblastoma. <b>2011</b> , 71, 7155-67	181
809	SMAD signaling drives heart and muscle dysfunction in a Drosophila model of muscular dystrophy. <b>2011</b> , 20, 894-904	31
808	GSK-3 as a Target for Lithium-Induced Neuroprotection Against Excitotoxicity in Neuronal Cultures and Animal Models of Ischemic Stroke. <b>2011</b> , 4, 15	116
807	TGF $\beta$ 1 suppresses vascular smooth muscle cell motility by expression of N-cadherin. <b>2011</b> , 392, 461-74	8
806	Myosin II isoform switching mediates invasiveness after TGF- $\beta$ -induced epithelial-mesenchymal transition. <b>2011</b> , 108, 17991-6	75
805	Transforming growth factor beta-induced reactivation of Epstein-Barr virus involves multiple Smad-binding elements cooperatively activating expression of the latent-lytic switch BZLF1 gene. <b>2011</b> , 85, 7836-48	33
804	Noncanonical TGF $\beta$ signaling contributes to aortic aneurysm progression in Marfan syndrome mice. <b>2011</b> , 332, 358-61	356
803	Transforming growth factor- $\beta$ and Smads. <b>2011</b> , 170, 75-82	82
802	An impact of CCN2-BMP-2 complex upon chondrocyte biology: evoking a signalling pathway bypasses ERK and Smads?. <b>2011</b> , 150, 219-21	6

801	Variation in BMPR1B, TGFBR1 and BMPR2 and control of dizygotic twinning. <b>2011</b> , 14, 408-16	19
800	Inhibition of germinal centre apoptotic programmes by epstein-barr virus. <b>2011</b> , 2011, 829525	9
799	Emergence of the phosphoinositide 3-kinase-Akt-mammalian target of rapamycin axis in transforming growth factor- $\beta$ -induced epithelial-mesenchymal transition. <b>2011</b> , 193, 8-22	74
798	Hepatocyte growth factor attenuates transforming growth factor- $\beta$ -angiotensin II crosstalk through inhibition of the PTEN/Akt pathway. <b>2011</b> , 58, 190-6	24
797	Stem cell antigen-1 enhances tumorigenicity by disruption of growth differentiation factor-10 (GDF10)-dependent TGF- $\beta$ signaling. <b>2011</b> , 108, 7820-5	51
796	Formation of stable homomeric and transient heteromeric bone morphogenetic protein (BMP) receptor complexes regulates Smad protein signaling. <b>2011</b> , 286, 19287-96	25
795	Expression of endoglin in primary endometrial cancer. <b>2011</b> , 81, 243-50	8
794	Fluorofenidone attenuates tubulointerstitial fibrosis by inhibiting TGF- $\beta$ 1-induced fibroblast activation. <b>2011</b> , 34, 181-94	30
793	Differential roles of Src in transforming growth factor- $\beta$ -regulation of growth arrest, epithelial-to-mesenchymal transition and cell migration in pancreatic ductal adenocarcinoma cells. <b>2011</b> , 38, 797-805	31
792	Tgf-beta type I receptor (Alk5) kinase inhibitors in oncology. <b>2011</b> , 12, 2190-202	15
791	Epigenetic control of vascular smooth muscle cells in Marfan and non-Marfan thoracic aortic aneurysms. <b>2011</b> , 89, 446-56	74
790	TGF $\beta$ superfamily signaling in the neural crest lineage. <b>2011</b> , 5, 232-6	12
789	Histone deacetylase inhibitor belinostat represses survivin expression through reactivation of transforming growth factor beta (TGFbeta) receptor II leading to cancer cell death. <b>2011</b> , 286, 30937-30948	32
788	Fascin protein is critical for transforming growth factor $\beta$ protein-induced invasion and filopodia formation in spindle-shaped tumor cells. <b>2011</b> , 286, 38865-75	41
787	Non-Smad transforming growth factor- $\beta$ signaling regulated by focal adhesion kinase binding the p85 subunit of phosphatidylinositol 3-kinase. <b>2011</b> , 286, 17841-50	38
786	Smad4 inactivation promotes malignancy and drug resistance of colon cancer. <b>2011</b> , 71, 998-1008	148
785	Homeodomain interacting protein kinase 2 regulates postnatal development of enteric dopaminergic neurons and glia via BMP signaling. <b>2011</b> , 31, 13746-57	41
784	Histone 3 lysine 9 (H3K9) methyltransferase recruitment to the interleukin-2 (IL-2) promoter is a mechanism of suppression of IL-2 transcription by the transforming growth factor- $\beta$ -Smad pathway. <b>2011</b> , 286, 35456-35465	32

783	Lipoxin A <sub>2</sub> and benzo-lipoxin A <sub>2</sub> attenuate experimental renal fibrosis. <b>2011</b> , 25, 2967-79	90
782	Restoration of transforming growth factor-beta receptor II expression in colon cancer cells with microsatellite instability increases metastatic potential in vivo. <b>2011</b> , 286, 16082-90	18
781	Smad3-mediated myocardin silencing: a novel mechanism governing the initiation of smooth muscle differentiation. <b>2011</b> , 286, 15050-7	39
780	RB1CC1 protein positively regulates transforming growth factor-beta signaling through the modulation of Arkadia E3 ubiquitin ligase activity. <b>2011</b> , 286, 32502-12	27
779	Targeting transforming growth factor $\beta$ II expression inhibits the activation of hepatic stellate cells and reduces collagen synthesis. <b>2011</b> , 236, 291-7	16
778	Aldosterone/NaCl-induced renal and cardiac fibrosis is modulated by TGF- $\beta$ responsiveness of T cells. <b>2011</b> , 34, 623-9	19
777	Bone morphogenetic protein 7 in dormancy and metastasis of prostate cancer stem-like cells in bone. <b>2011</b> , 208, 2641-55	282
776	Effects and mechanisms of <i>Acremonium terricola</i> milleretal mycelium on liver fibrosis induced by carbon tetrachloride in rats. <b>2011</b> , 39, 537-50	13
775	TGF- $\beta$ mediates sirolimus and cyclosporine A-induced alteration of barrier function in renal epithelial cells via a noncanonical ERK1/2 signaling pathway. <b>2011</b> , 301, F1281-92	15
774	Smad inhibition by the Ste20 kinase Misshapen. <b>2011</b> , 108, 11127-32	39
773	TAK1-TAB2 signaling contributes to bone destruction by breast carcinoma cells. <b>2011</b> , 9, 1042-53	29
772	Delayed stress fiber formation mediates pulmonary myofibroblast differentiation in response to TGF- $\beta$ <b>2011</b> , 301, L656-66	78
771	Activation of the transforming growth factor beta pathway in bacterial otitis media. <b>2011</b> , 120, 204-13	17
770	TRIP-1 regulates TGF- $\beta$ -induced epithelial-mesenchymal transition of human lung epithelial cell line A549. <b>2011</b> , 300, L799-807	19
769	Colon Cancer Stem Cells: Bench-to-Bedside-New Therapeutical Approaches in Clinical Oncology for Disease Breakdown. <b>2011</b> , 3, 1957-74	9
768	TGF- $\beta$ regulates Nox4, MnSOD and catalase expression, and IL-6 release in airway smooth muscle cells. <b>2011</b> , 300, L295-304	138
767	Lysophosphatidic acid-induced p21Waf1 expression mediates the cytostatic response of breast and ovarian cancer cells to TGF- $\beta$ <b>2011</b> , 9, 1562-70	10
766	Smad phosphoisofom signaling specificity: the right place at the right time. <b>2011</b> , 32, 1578-88	87

765	TGF-beta biology in mammary development and breast cancer. <b>2011</b> , 3, a003277	164
764	TGF- $\beta$ stimulates biglycan core protein synthesis but not glycosaminoglycan chain elongation via Akt phosphorylation in vascular smooth muscle. <b>2011</b> , 29, 203-10	21
763	Modification of Smad1 linker modulates BMP-mediated osteogenesis of adult human MSC. <b>2011</b> , 52, 408-14	6
762	Dysregulation of betaglycan expression in primary human endometrial carcinomas. <b>2011</b> , 29, 137-44	7
761	Transforming growth factor $\beta$ receptor type 1 is essential for female reproductive tract integrity and function. <b>2011</b> , 7, e1002320	74
760	TGF- $\beta$ down-regulation of NKG2D/DAP10 and 2B4/SAP expression on human NK cells contributes to HBV persistence. <b>2012</b> , 8, e1002594	144
759	Differential expression of wound fibrotic factors between facial and trunk dermal fibroblasts. <b>2012</b> , 53, 349-54	3
758	AK2 Promotes the Migration and Invasion of Lung Adenocarcinoma by Activating TGF- $\beta$ /Smad Pathway and. <b>2021</b> , 12, 714365	1
757	The biology of bone morphogenetic protein signaling pathway in cerebrovascular system. <b>2021</b> , 7, 36	0
756	TGF- $\beta$ inhibitor RepSox suppresses osteosarcoma via the JNK/Smad3 signaling pathway. <b>2021</b> , 59,	2
755	Bmp Signaling Regulates Hand1 in a Dose-Dependent Manner during Heart Development. <b>2021</b> , 22,	0
754	Mechanisms of Fibroblast Activation and Myocardial Fibrosis: Lessons Learned from FB-Specific Conditional Mouse Models. <b>2021</b> , 10,	6
753	The roles of signaling pathways in cardiac regeneration. <b>2021</b> ,	0
752	MRTF-A-NF- $\kappa$ B/p65 axis-mediated PDL1 transcription and expression contributes to immune evasion of non-small-cell lung cancer via TGF- $\beta$ <b>2021</b> , 53, 1366-1378	3
751	Chrysin Ameliorates Cyclosporine-A-Induced Renal Fibrosis by Inhibiting TGF- $\beta$ -Induced Epithelial-Mesenchymal Transition. <b>2021</b> , 22,	1
750	Autophagy Promotes the Survival of Adipose Mesenchymal Stem/Stromal Cells and Enhances Their Therapeutic Effects in Cisplatin-Induced Liver Injury via Modulating TGF- $\beta$ /Smad and PI3K/AKT Signaling Pathways. <b>2021</b> , 10,	4
749	P300/CBP-Associated Factor Activates Cardiac Fibroblasts by SMAD2 Acetylation. <b>2021</b> , 22,	1
748	Liver Fibrosis: Therapeutic Targets and Advances in Drug Therapy. <b>2021</b> , 9, 730176	13

747	Bioflavonoid Suppresses Hypertrophic Scar Formation by the TGF- $\beta$ /Smad Signaling Pathway. <b>2021</b> , 2021, 2444839	0
746	PPAR $\gamma$ mediates the anti-pulmonary fibrosis effect of icaritin. <b>2021</b> , 350, 81-90	1
745	BMP6 increases CD68 expression by up-regulating CTGF expression in human granulosa-lutein cells. <b>2021</b> , 536, 111414	
744	Molecular mechanism involved in epithelial to mesenchymal transition. <b>2021</b> , 710, 108984	9
743	Cell transdifferentiation in ocular disease: Potential role for connexin channels. <b>2021</b> , 407, 112823	
742	GDF11 protects against glucotoxicity-induced mice retinal microvascular endothelial cell dysfunction and diabetic retinopathy disease. <b>2021</b> , 537, 111422	1
741	Gypenoside XLIX loaded nanoparticles targeting therapy for renal fibrosis and its mechanism. <b>2021</b> , 910, 174501	2
740	Lumican deficiency promotes pulmonary arterial remodeling. <b>2021</b> , 237, 63-81	0
739	Zerumbone prevents pressure overload-induced left ventricular systolic dysfunction by inhibiting cardiac hypertrophy and fibrosis. <b>2021</b> , 92, 153744	2
738	Mini review: The relationship between energy status and adult hippocampal neurogenesis. <b>2021</b> , 765, 136261	0
737	Nootkatone confers antifibrotic effect by regulating the TGF- $\beta$ /Smad signaling pathway in mouse model of unilateral ureteral obstruction. <b>2021</b> , 910, 174479	3
736	TGF-beta signaling in cancer radiotherapy. <b>2021</b> , 148, 155709	5
735	Low-dose PCB126 exposure disrupts cardiac metabolism and causes hypertrophy and fibrosis in mice. <b>2021</b> , 290, 118079	3
734	Targeted inhibition of TAK1 abrogates TGF $\beta$ non-canonical signaling axis, NF $\kappa$ B/Smad7 inhibiting human endometriotic cells proliferation and inducing cell death involving autophagy. <b>2021</b> , 148, 155700	0
733	Transforming Growth Factor- $\beta$ Family of Molecule. <b>2022</b> , 308-313	
732	Transforming growth factor- $\beta$ and its signaling pathway in skeletal complications of malignancy. <b>2022</b> , 253-273	
731	The herbicide paraquat-induced molecular mechanisms in the development of acute lung injury and lung fibrosis. <b>2021</b> , 51, 36-64	11
730	The complexity of TGF $\beta$ /activin signaling in regeneration. <b>2021</b> , 15, 7-23	3

729	The underestimated role of the microphthalmia-associated transcription factor (MiTF) in normal and pathological haematopoiesis. <b>2021</b> , 11, 18	6
728	LncRNA EPB41L4A-AS2 represses Nasopharyngeal Carcinoma Metastasis by binding to YBX1 in the Nucleus and Sponging MiR-107 in the Cytoplasm. <b>2021</b> , 17, 1963-1978	2
727	MicroRNA-425-3p inhibits myocardial inflammation and cardiomyocyte apoptosis in mice with viral myocarditis through targeting TGF- $\beta$ . <b>2021</b> , 9, 288-298	4
726	Immunogene Therapy with Nonviral Vectors. <b>2005</b> , 43-70	1
725	Role of Tumour Microenvironment in Chemoresistance. <b>2005</b> , 285-321	7
724	Interplays Between The Smad and Map Kinase Signaling Pathways. <b>2006</b> , 317-334	2
723	Transforming Growth Factor- $\beta$ in the Brain. <b>2006</b> , 123-141	3
722	Androgen Receptor Signaling Interactions Control Epithelial-Mesenchymal Transition (EMT) in Prostate Cancer Progression. <b>2013</b> , 227-255	2
721	Regulation of TGF- $\beta$ Receptors. <b>2016</b> , 1344, 1-33	11
720	Generation and Characterization of Smad7 Conditional Knockout Mice. <b>2016</b> , 1344, 233-43	1
719	Involvement of km23 Dynein Light Chains in TGF $\beta$ Signaling. <b>2008</b> , 169-184	3
718	Ski, SnoN, and Akt as Negative Regulators of Smad Activity: Balancing Cell Death and Cell Survival. <b>2008</b> , 139-153	1
717	Inhibition of TGF- $\beta$ Signaling in Multiple Myeloma and Its Bone Marrow Microenvironment. <b>2008</b> , 219-227	1
716	The Use of Virtual Screening in ALK5 Kinase Inhibitor Discovery and Validation of Orally Active ALK5 Kinase Inhibitors in Oncology. <b>2008</b> , 685-696	1
715	Cytokines, Growth Factors, and Bone-Derived Factors in Cartilage. <b>2007</b> , 41-63	3
714	Recent Advances in Understanding Mechanisms of TGF Beta Signaling and Its Role in Glioma Pathogenesis. <b>2020</b> , 1202, 179-201	21
713	Monocytes and Macrophages in Cancer: Unsuspected Roles. <b>2020</b> , 1219, 161-185	10
712	The role of inflammation in head and neck cancer. <b>2014</b> , 816, 107-27	61

711	Antisense therapeutics for tumor treatment: the TGF-beta2 inhibitor AP 12009 in clinical development against malignant tumors. <b>2008</b> , 177, 137-50	69
710	Epigenetics and the Environment in Airway Disease: Asthma and Allergic Rhinitis. <b>2020</b> , 1253, 153-181	8
709	Functional analysis of miRNAs combined with TGF- $\beta$ /Smad3 inhibitor in an intrauterine rat adhesion cell model. <b>2020</b> , 470, 15-28	4
708	The Onset and Resolution of Renal Fibrosis: A Human Perspective. <b>2016</b> , 351-366	1
707	The Cells of Bone. <b>2006</b> , 221-258	2
706	Pulmonary Arteriovenous Malformations and Other Vascular Abnormalities. <b>2010</b> , 1261-1282	10
705	Biology of the Normal Joint. <b>2013</b> , 1-19.e6	2
704	Cartilage and Chondrocytes. <b>2013</b> , 33-60.e10	5
703	BMP signalling in a mechanical context - Implications for bone biology. <b>2020</b> , 137, 115416	15
702	Par-4 mediated Smad4 induction in PDAC cells restores canonical TGF- $\beta$ /Smad4 axis driving the cells towards lethal EMT. <b>2020</b> , 99, 151076	12
701	Factors regulating capillary remodeling in a reversible model of inflammatory corneal angiogenesis. <b>2016</b> , 6, 32137	22
700	Magnetic lanthanum-doped hydroxyapatite/chitosan scaffolds with endogenous stem cell-recruiting and immunomodulatory properties for bone regeneration. <b>2020</b> , 8, 5280-5292	26
699	Alcohol promotes renal fibrosis by activating Nox2/4-mediated DNA methylation of Smad7. <b>2020</b> , 134, 103-122	10
698	Noncoding RNAs as Promising Diagnostic Biomarkers and Therapeutic Targets in Intestinal Fibrosis of Crohn's Disease: The Path From Bench to Bedside. <b>2021</b> , 27, 971-982	2
697	TGF- $\beta$ Family Inhibitors Blunt Adipogenesis Via Non-Canonical Regulation Of SMAD Pathways.	3
696	A transposable element insertion is the switch between alternative life history strategies.	1
695	Pan-cancer genomic amplifications underlie a Wnt hyperactivation phenotype associated with stem cell-like features leading to poor prognosis.	4
694	The C. elegans SET-2 histone methyltransferase maintains germline fate by preventing progressive transcriptomic deregulation across generations.	1



693	YAP nuclear translocation through dynein and acetylated microtubule controls fibroblast activation.	1
692	TGF- $\beta$ inhibition via CRISPR promotes the long-term efficacy of CAR T cells against solid tumors. <b>2020</b> , 5,	97
691	Duchenne muscular dystrophy hiPSC-derived myoblast drug screen identifies compounds that ameliorate disease in mdx mice. <b>2020</b> , 5,	11
690	Lineage-specific events underlie aortic root aneurysm pathogenesis in Loews-Dietz syndrome. <b>2019</b> , 129, 659-675	43
689	Epithelial-mesenchymal transition and its implications for fibrosis. <b>2003</b> , 112, 1776-84	1017
688	Distinct mechanisms of TGF-beta1-mediated epithelial-to-mesenchymal transition and metastasis during skin carcinogenesis. <b>2005</b> , 115, 1714-23	191
687	Inhibition of TGF-beta with neutralizing antibodies prevents radiation-induced acceleration of metastatic cancer progression. <b>2007</b> , 117, 1305-13	271
686	Epithelial cell alpha3beta1 integrin links beta-catenin and Smad signaling to promote myofibroblast formation and pulmonary fibrosis. <b>2009</b> , 119, 213-24	310
685	The fibrodysplasia ossificans progressiva R206H ACVR1 mutation activates BMP-independent chondrogenesis and zebrafish embryo ventralization. <b>2009</b> , 119, 3462-72	157
684	TGF-beta1-induced expression of human Mdm2 correlates with late-stage metastatic breast cancer. <b>2010</b> , 120, 290-302	105
683	Pivotal role of cardiomyocyte TGF- $\beta$ signaling in the murine pathological response to sustained pressure overload. <b>2011</b> , 121, 2301-12	246
682	Smad4 deficiency in T cells leads to the Th17-associated development of premalignant gastroduodenal lesions in mice. <b>2011</b> , 121, 4030-42	52
681	CD2AP in mouse and human podocytes controls a proteolytic program that regulates cytoskeletal structure and cellular survival. <b>2011</b> , 121, 3965-80	106
680	Modulation of noncanonical TGF- $\beta$ signaling prevents cleft palate in Tgfbr2 mutant mice. <b>2012</b> , 122, 873-85	96
679	TGF- $\beta$ upregulates miR-181a expression to promote breast cancer metastasis. <b>2013</b> , 123, 150-63	229
678	GM-CSF contributes to aortic aneurysms resulting from SMAD3 deficiency. <b>2013</b> , 123, 2317-31	55
677	Blood pressure homeostasis is maintained by a P311-TGF- $\beta$ axis. <b>2013</b> , 123, 4502-12	30
676	DLC1-dependent parathyroid hormone-like hormone inhibition suppresses breast cancer bone metastasis. <b>2014</b> , 124, 1646-59	56

675	Cell-penetrating peptides selectively targeting SMAD3 inhibit profibrotic TGF- $\beta$ signaling. <b>2017</b> , 127, 2541-2554	28
674	TGF- $\beta$ /SMAD signaling regulation of mesenchymal stem cells in adipocyte commitment. <b>2020</b> , 11, 41	36
673	Gene expression and hormonal response. <b>2005</b> , 41-65	4
672	Long Non-Coding RNA AWPPH Promotes Postoperative Distant Recurrence in Resected Non-Small Cell Lung Cancer by Upregulating Transforming Growth Factor beta 1 (TGF- $\beta$ ). <b>2019</b> , 25, 2535-2541	7
671	Carvedilol Ameliorates Intrahepatic Angiogenesis, Sinusoidal Remodeling and Portal Pressure in Cirrhotic Rats. <b>2018</b> , 24, 8290-8297	4
670	Therapeutic potential of targeting kinase inhibition in patients with idiopathic pulmonary fibrosis. <b>2020</b> , 37, 269-276	2
669	ShcA Protects against Epithelial-Mesenchymal Transition through Compartmentalized Inhibition of TGF- $\beta$ -Induced Smad Activation. <b>2015</b> , 13, e1002325	30
668	Selective loss of TGFbeta Smad-dependent signalling prevents cell cycle arrest and promotes invasion in oesophageal adenocarcinoma cell lines. <b>2007</b> , 2, e177	24
667	Differential dynamic properties of scleroderma fibroblasts in response to perturbation of environmental stimuli. <b>2008</b> , 3, e1693	8
666	Cytostatic factor proteins are present in male meiotic cells and beta-nerve growth factor increases mos levels in rat late spermatocytes. <b>2009</b> , 4, e7237	16
665	TGF- $\beta$ as possible link between loss of bone mineral density and chronic inflammation. <b>2010</b> , 5, e14073	66
664	ChIP-seq defined genome-wide map of TGF- $\beta$ /SMAD4 targets: implications with clinical outcome of ovarian cancer. <b>2011</b> , 6, e22606	24
663	Redox-induced Src kinase and caveolin-1 signaling in TGF- $\beta$ -initiated SMAD2/3 activation and PAI-1 expression. <b>2011</b> , 6, e22896	53
662	Evolution of the TGF- $\beta$ signaling pathway and its potential role in the ctenophore, Mnemiopsis leidyi. <b>2011</b> , 6, e24152	70
661	Asiatic acid inhibits liver fibrosis by blocking TGF-beta/Smad signaling in vivo and in vitro. <b>2012</b> , 7, e31350	81
660	A crosstalk between the Smad and JNK signaling in the TGF- $\beta$ -induced epithelial-mesenchymal transition in rat peritoneal mesothelial cells. <b>2012</b> , 7, e32009	55
659	Role of Dlg5/lp-dlg, a membrane-associated guanylate kinase family protein, in epithelial-mesenchymal transition in LLC-PK1 renal epithelial cells. <b>2012</b> , 7, e35519	16
658	Central role of SREBP-2 in the pathogenesis of osteoarthritis. <b>2012</b> , 7, e35753	41

657	A new antifibrotic target of Ac-SDKP: inhibition of myofibroblast differentiation in rat lung with silicosis. <b>2012</b> , 7, e40301	52
656	Molecular characteristics and metastasis predictor genes of triple-negative breast cancer: a clinical study of triple-negative breast carcinomas. <b>2012</b> , 7, e45831	61
655	SNPs in the TGF- $\beta$ signaling pathway are associated with increased risk of brain metastasis in patients with non-small-cell lung cancer. <b>2012</b> , 7, e51713	20
654	Transforming growth factor $\beta$ neutralization ameliorates pre-existing hepatic fibrosis and reduces cholangiocarcinoma in thioacetamide-treated rats. <b>2013</b> , 8, e54499	61
653	Enhanced effectivity of an ALK5-inhibitor after cell-specific delivery to hepatic stellate cells in mice with liver injury. <b>2013</b> , 8, e56442	21
652	Differential response of chondrocytes and chondrogenic-induced mesenchymal stem cells to C1-OH tributanoylated N-acetylhexosamines. <b>2013</b> , 8, e58899	8
651	Tgf- $\beta$ inhibits Cftr biogenesis and prevents functional rescue of $\beta$ 508-Cftr in primary differentiated human bronchial epithelial cells. <b>2013</b> , 8, e63167	51
650	A role of TGF $\beta$ dependent 14-3-3 $\beta$ phosphorylation at Ser69 and Ser74 in the regulation of gene transcription, stemness and radioresistance. <b>2013</b> , 8, e65163	9
649	Bone Morphogenetic Proteins stimulate mammary fibroblasts to promote mammary carcinoma cell invasion. <b>2013</b> , 8, e67533	39
648	The effect of p38MAPK on cyclic stretch in human facial hypertrophic scar fibroblast differentiation. <b>2013</b> , 8, e75635	12
647	Heterodimeric BMP-2/7 antagonizes the inhibition of all-trans retinoic acid and promotes the osteoblastogenesis. <b>2013</b> , 8, e78198	16
646	Estrogen receptor alpha is expressed in mesenteric mesothelial cells and is internalized in caveolae upon Freund's adjuvant treatment. <b>2013</b> , 8, e79508	11
645	TGF $\beta$ modulate permeability of the blood-epididymis barrier in an in vitro model. <b>2013</b> , 8, e80611	16
644	A small peptide with potential ability to promote wound healing. <b>2014</b> , 9, e92082	47
643	Foam Cell Formation In Vivo Converts Macrophages to a Pro-Fibrotic Phenotype. <b>2015</b> , 10, e0128163	31
642	Sodium Tanshinone IIA Sulfonate Ameliorates Bladder Fibrosis in a Rat Model of Partial Bladder Outlet Obstruction by Inhibiting the TGF- $\beta$ /Smad Pathway Activation. <b>2015</b> , 10, e0129655	32
641	Impact of AMP-Activated Protein Kinase $\alpha$ Deficiency on Tissue Injury following Unilateral Ureteral Obstruction. <b>2015</b> , 10, e0135235	12
640	TGF $\beta$ Pathway Inhibition Redifferentiates Human Pancreatic Islet $\beta$ Cells Expanded In Vitro. <b>2015</b> , 10, e0139168	22

639	Fn14, a Downstream Target of the TGF- $\beta$ Signaling Pathway, Regulates Fibroblast Activation. <b>2015</b> , 10, e0143802	15
638	TGF- $\beta$ Regulates Cell Migration through Pluripotent Transcription Factor OCT4 in Endometriosis. <b>2015</b> , 10, e0145256	26
637	Peroxiredoxin 5 Protects TGF- $\beta$ -Induced Fibrosis by Inhibiting Stat3 Activation in Rat Kidney Interstitial Fibroblast Cells. <b>2016</b> , 11, e0149266	23
636	Role of IGFBP7 in Diabetic Nephropathy: TGF- $\beta$ Induces IGFBP7 via Smad2/4 in Human Renal Proximal Tubular Epithelial Cells. <b>2016</b> , 11, e0150897	25
635	Hydroxysafflor Yellow A Ameliorates Renal Fibrosis by Suppressing TGF- $\beta$ -Induced Epithelial-to-Mesenchymal Transition. <b>2016</b> , 11, e0153409	16
634	Cholera Toxin Promotes Th17 Cell Differentiation by Modulating Expression of Polarizing Cytokines and the Antigen-Presenting Potential of Dendritic Cells. <b>2016</b> , 11, e0157015	8
633	Sprouty2 Suppresses Epithelial-Mesenchymal Transition of Human Lens Epithelial Cells through Blockade of Smad2 and ERK1/2 Pathways. <b>2016</b> , 11, e0159275	21
632	Class IA PI3Ks regulate subcellular and functional dynamics of IDO1. <b>2020</b> , 21, e49756	12
631	GPCR transactivation signalling in vascular smooth muscle cells: role of NADPH oxidases and reactive oxygen species. <b>2019</b> , 1, R1-R11	6
630	The role of regulatory T cells and anti-inflammatory cytokines in psoriasis. <b>2018</b> , 27,	9
629	TGF- $\beta$ target genes are differentially regulated in corneal epithelial cells and fibroblasts. <b>2017</b> , 3,	10
628	Hesperidin inhibits the epithelial to mesenchymal transition induced by transforming growth factor- $\beta$ in A549 cells through Smad signaling in the cytoplasm. 55,	2
627	Roles of Smad3 in TGF-beta signaling during carcinogenesis. <b>2007</b> , 17, 281-93	59
626	The role of connective tissue growth factor (CTGF/CCN2) in skeletogenesis. <b>2011</b> , 21, 43-69	76
625	Dynamic regulation of genetic pathways and targets during aging in <i>Caenorhabditis elegans</i> . <b>2014</b> , 6, 215-30	10
624	Bone morphogenetic protein 4 (BMP4) alleviates hepatic steatosis by increasing hepatic lipid turnover and inhibiting the mTORC1 signaling axis in hepatocytes. <b>2019</b> , 11, 11520-11540	11
623	New landscapes and horizons in hepatocellular carcinoma therapy. <b>2020</b> , 12, 3053-3094	23
622	Regulation of the regenerative activity of dental pulp stem cells from exfoliated deciduous teeth (SHED) of children by TGF- $\beta$ is associated with ALK5/Smad2, TAK1, p38 and MEK/ERK signaling. <b>2020</b> , 12, 21253-21272	1

621	TGF $\beta$ upregulates PAR-1 expression and signalling responses in A549 lung adenocarcinoma cells. <b>2016</b> , 7, 65471-65484	8
620	Mutational activation of BRAF confers sensitivity to transforming growth factor beta inhibitors in human cancer cells. <b>2016</b> , 7, 81995-82012	10
619	The crosstalk between lncRNA and microRNA in cancer metastasis: orchestrating the epithelial-mesenchymal plasticity. <b>2017</b> , 8, 12472-12483	118
618	An autocrine/paracrine circuit of growth differentiation factor (GDF) 15 has a role for maintenance of breast cancer stem-like cells. <b>2017</b> , 8, 24869-24881	26
617	ROS enhance angiogenic properties via regulation of NRF2 in tumor endothelial cells. <b>2017</b> , 8, 45484-45495	29
616	Identification of LEFTY as a molecular marker for ovarian clear cell carcinoma. <b>2017</b> , 8, 63646-63664	18
615	RNA-seq based gene expression analysis of ovarian granulosa cells exposed to zearalenone : significance to steroidogenesis. <b>2017</b> , 8, 64001-64014	16
614	Pro-invasive properties of Snail1 are regulated by sumoylation in response to TGF $\beta$ stimulation in cancer. <b>2017</b> , 8, 97703-97726	15
613	Chronically high level of induction causes both hepatocellular carcinoma and cholangiocarcinoma via a dominant Erk pathway in zebrafish. <b>2017</b> , 8, 77096-77109	15
612	Host cell transcriptome modification upon exogenous HPV16 L2 protein expression. <b>2017</b> , 8, 90730-90747	1
611	Curcumin downregulates the expression of Snail via suppressing Smad2 pathway to inhibit TGF $\beta$ -induced epithelial-mesenchymal transitions in hepatoma cells. <b>2017</b> , 8, 108498-108508	21
610	SKI2162, an inhibitor of the TGF $\beta$ -type I receptor (ALK5), inhibits radiation-induced fibrosis in mice. <b>2015</b> , 6, 4171-9	18
609	Transforming growth factor- $\beta$ pathway activity in glioblastoma. <b>2015</b> , 6, 5963-77	68
608	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. <b>2015</b> , 6, 13718-30	53
607	TGF $\beta$ isoforms in cancer: Immunohistochemical expression and Smad-pathway-activity-analysis in thirteen major tumor types with a critical appraisal of antibody specificity and immunohistochemistry assay validity. <b>2015</b> , 6, 26770-81	9
606	Activin B promotes endometrial cancer cell migration by down-regulating E-cadherin via SMAD-independent MEK-ERK1/2-SNAIL signaling. <b>2016</b> , 7, 40060-40072	14
605	The FOXG1/FOXO/SMAD network balances proliferation and differentiation of cortical progenitors and activates Kcnh3 expression in mature neurons. <b>2016</b> , 7, 37436-37455	30
604	Novel approaches to combat chemoresistance against glioblastomas.. <b>2020</b> , 3, 686-698	3

603	Microenvironment and tumor cells: two targets for new molecular therapies of hepatocellular carcinoma. <b>2018</b> , 3, 24	29
602	The protective effects of granulocyte-macrophage colony-stimulating factor against radiation-induced lung injury. <b>2020</b> , 9, 2440-2459	2
601	Geometric control of myogenic cell fate. <b>2006</b> , 1, 203-12	7
600	Drug Delivery Systems Based on Titania Nanotubes and Active Agents for Enhanced Osseointegration of Bone Implants. <b>2020</b> , 27, 854-902	12
599	TGF-β Titan of Lung Fibrogenesis. <b>2010</b> , 6,	33
598	The complexities of TGF-β action during mammary and squamous cell carcinogenesis. <b>2011</b> , 12, 2138-49	14
597	Role of the Transforming-Growth-Factor-β Gene in Late-Onset Alzheimer's Disease: Implications for the Treatment. <b>2013</b> , 14, 147-56	27
596	Role of transforming growth factor Beta in corneal function, biology and pathology. <b>2010</b> , 10, 565-78	151
595	cAMP-Response Element-Binding 3-Like Protein 1 (CREB3L1) is Required for Decidualization and its Expression is Decreased in Women with Endometriosis. <b>2016</b> , 16, 276-87	12
594	Effects of tranilast on the epithelial-to-mesenchymal transition in peritoneal mesothelial cells. <b>2019</b> , 38, 472-480	4
593	Transforming growth factor (TGF) βs it a key protein in mammalian reproductive biology?. <b>2018</b> , 6, 125-130	3
592	Hypoallergenic infant formula lacks transforming growth factor beta activity and has a lower anti-inflammatory activity than regular infant formula. <b>2020</b> , 103, 6771-6781	6
591	The epigenetic regulator RINF (CXXC5) maintains SMAD7 expression in human immature erythroid cells and sustains red blood cells expansion. <b>2020</b> , Online ahead of print,	2
590	[Roles of TGF-β superfamily in the genesis, development and maintenance of cartilage]. <b>2008</b> , 30, 953-9	2
589	SMAD-4 Cooperates with TGF-β to Enhance PTEN Expression Upon The Inhibition of RAS/ERK Pathway in Gastric Carcinoma Cells*. <b>2011</b> , 38, 543-550	1
588	Effect of Fresh Frozen Plasma on Endothelial Cell Migration Diminishes During Storage and Its Molecular Mechanisms*. <b>2011</b> , 38, 528-535	1
587	Effect of Oxymatrine on the TGFβ-Smad signaling pathway in rats with CCL4-induced hepatic fibrosis. <b>2008</b> , 14, 2100-5	37
586	Gene expression profiling defined pathways correlated with fibroblast cell proliferation induced by <i>Opisthorchis viverrini</i> excretory/secretory product. <b>2006</b> , 12, 3585-92	31

585	Effects of Haobie Yangyin Ruanjian decoction on hepatic fibrosis induced by carbon tetrachloride in rats. <b>2010</b> , 16, 1458-64	12
584	Paclitaxel ameliorates fibrosis in hepatic stellate cells via inhibition of TGF-beta/Smad activity. <b>2010</b> , 16, 3330-4	47
583	Effects of Fufang Biejia Ruangan pills on hepatic fibrosis in vivo and in vitro. <b>2013</b> , 19, 5326-33	17
582	IGFBPrP1 induces liver fibrosis by inducing hepatic stellate cell activation and hepatocyte apoptosis via Smad2/3 signaling. <b>2014</b> , 20, 6523-33	12
581	Transforming growth factor- $\beta$ and peripheral regulatory cells are negatively correlated with the overall survival of hepatocellular carcinoma. <b>2018</b> , 24, 2733-2740	11
580	Polydatin prevents bleomycin-induced pulmonary fibrosis by inhibiting the TGF- $\beta$ /Smad/ERK signaling pathway. <b>2020</b> , 20, 62	11
579	Naringin attenuates renal interstitial fibrosis by regulating the TGF- $\beta$ /Smad signaling pathway and inflammation. <b>2021</b> , 21, 66	11
578	Honokiol protects against epidural fibrosis by inhibiting fibroblast proliferation and extracellular matrix overproduction in rats post-laminectomy. <b>2020</b> , 46, 2057-2068	2
577	The sympathetic transmitter norepinephrine inhibits VSMC proliferation induced by TGF- $\beta$ by suppressing the expression of the TGF- $\beta$ receptor ALK5 in aorta remodeling. <b>2020</b> , 22, 387-397	4
576	MicroRNA-375 prevents TGF- $\beta$ -dependent transdifferentiation of lung fibroblasts via the MAP2K6/P38 pathway. <b>2020</b> , 22, 1803-1810	4
575	Novel oral plasminogen activator inhibitor-1 inhibitor TM5275 attenuates hepatic fibrosis under metabolic syndrome via suppression of activated hepatic stellate cells in rats. <b>2020</b> , 22, 2948-2956	2
574	A novel identified circular RNA, circ_0000491, aggravates the extracellular matrix of diabetic nephropathy glomerular mesangial cells through suppressing miR-101b by targeting TGFRI. <b>2020</b> , 22, 3785-3794	13
573	BUB1 promotes proliferation of liver cancer cells by activating SMAD2 phosphorylation. <b>2020</b> , 19, 3506-3512	17
572	Mungbean ( <i>Vigna radiata</i> L.) Residue and Nitrogen Rate Affected Growth and Yield of Direct Seeded Rice ( <i>Oryza sativa</i> L.) In Rainfed Riceland. <b>2007</b> , 6, 1158-1165	2
571	Programmed cell death protein-1/programmed cell death ligand-1 pathway inhibition and predictive biomarkers: understanding transforming growth factor-beta role. <b>2015</b> , 4, 728-42	40
570	Prostate cancer metastasis: roles of recruitment and reprogramming, cell signal network and three-dimensional growth characteristics. <b>2015</b> , 4, 438-54	21
569	Targeting the Transforming Growth Factor- $\beta$ Signaling in Cancer Therapy. <b>2013</b> , 21, 323-31	73
568	TGF- $\beta$ -Induced Expression of the Anti-Apoptotic PAI-1 Protein Requires EGFR Signaling. <b>2009</b> , 2, 1-11	11

567	Blockade of Autocrine TGF- $\beta$ Signaling Inhibits Stem Cell Phenotype, Survival, and Metastasis of Murine Breast Cancer Cells. <b>2012</b> , 2, 1-8	28
566	Role of TGF- $\beta$ in breast cancer bone metastases. <b>2013</b> , 4, 15-30	43
565	Different roles of TGF- $\beta$ in the multi-lineage differentiation of stem cells. <b>2012</b> , 4, 28-34	26
564	Fibrostenotic strictures in Crohn's disease. <b>2020</b> , 18, 379-401	13
563	Role of Akt signaling in resistance to DNA-targeted therapy. <b>2016</b> , 7, 352-369	35
562	Transforming growth factor-beta : biology and clinical relevance. <b>2005</b> , 38, 1-8	49
561	Role of Transforming Growth Factor- $\beta$ in Tumor Invasion and Metastasis. <b>2007</b> , 23, 197-205	1
560	KCl Mediates K(+) Channel-Activated Mitogen-Activated Protein Kinases Signaling in Wound Healing. <b>2015</b> , 42, 11-9	8
559	Complexities of TGF- $\beta$ -targeted cancer therapy. <b>2012</b> , 8, 964-78	255
558	Ellagic acid exerts anti-proliferation effects via modulation of Tgf- $\beta$ /Smad3 signaling in MCF-7 breast cancer cells. <b>2014</b> , 15, 273-6	25
557	Association between the TGFBR2 G-875A polymorphism and cancer risk: evidence from a meta-analysis. <b>2014</b> , 15, 8705-8	6
556	Smad4 restricts differentiation to promote expansion of satellite cell derived progenitors during skeletal muscle regeneration. <b>2016</b> , 5,	20
555	Tgfb3 collaborates with PP2A and notch signaling pathways to inhibit retina regeneration. <b>2020</b> , 9,	7
554	Transcriptome analysis reveals transforming growth factor- $\beta$ prevents extracellular matrix degradation and cell adhesion during the follicular-luteal transition in cows. <b>2021</b> ,	2
553	A narrative review of the relationship between TGF- $\beta$ signaling and gynecological malignant tumor. <b>2021</b> , 9, 1601	0
552	An experimental model of the epithelial to mesenchymal transition and pro-fibrogenesis in urothelial cells related to bladder pain syndrome/interstitial cystitis.. <b>2021</b> , 10, 4120-4131	1
551	An Overview of miRNAs Involved in PSMC Phenotypic Switching in Pulmonary Hypertension. <b>2021</b> , 2021, 5765029	1
550	Pulmonary fibrosis from molecular mechanisms to therapeutic interventions: lessons from post-COVID-19 patients. <b>2021</b> , 193, 114812	5



549	Protective Effect of Fat-Tissue-Derived Products against Ultraviolet Irradiation-Induced Photoaging in Mouse Skin. <b>2021</b> , 148, 1290-1299	
548	Evaluation of the influence of platelet-rich plasma (PRP), platelet lysate (PL) and mechanical loading on chondrogenesis in vitro. <b>2021</b> , 11, 20188	3
547	Long noncoding RNAs: fine-tuners hidden in the cancer signaling network. <b>2021</b> , 7, 283	1
546	Clinically Translatable Approaches of Inhibiting TGF- $\beta$ to Target Cancer Stem Cells in TNBC. <b>2021</b> , 9,	3
545	Cardiac fibrosis and curcumin: a novel perspective on this natural medicine. <b>2021</b> , 48, 7597-7608	
544	Adaptations in Hippo-Yap signaling and myofibroblast fate underlie scar-free ear appendage wound healing in spiny mice. <b>2021</b> , 56, 2722-2740.e6	6
543	Stem Cell-based Therapy Strategy for Hepatic Fibrosis by Targeting Intrahepatic Cells. <b>2021</b> , 1	1
542	Molecular mechanisms of oxidative stress in asthma. <b>2021</b> , 101026	8
541	Perspective on Stem Cell Therapy in Organ Fibrosis: Animal Models and Human Studies. <b>2021</b> , 11,	2
540	REDD1 attenuates hepatic stellate cell activation and liver fibrosis via inhibiting of TGF- $\beta$ /Smad signaling pathway. <b>2021</b> , 176, 246-256	1
539	A micro/nano-biomimetic coating on titanium orchestrates osteo/angio-genesis and osteoimmunomodulation for advanced osseointegration. <b>2021</b> , 278, 121162	9
538	MicroRNA targets and biomarker validation for diabetes-associated cardiac fibrosis. <b>2021</b> , 174, 105941	6
537	Signaling pathway of transforming growth factor $\beta$ ; and its regulation. <b>2005</b> , 21, 299-311	
536	Lung Cancer. <b>2005</b> , 319-340	
535	Role of transforming growth factor beta and Wnt signalling pathways in colon cancer. <b>2006</b> , 45-56	
534	Trafficking of Serine/Threonine Kinase Receptors and Smad Activation. <b>2006</b> , 177-191	1
533	TRANSFORMING GROWTH FACTOR BETA (TGF- $\beta$ ) FAMILY OF MOLECULES. <b>2006</b> , 278-283	
532	Smad3.	

531 Smad5.

530 TGF-Beta and Regulatory T Cells. **2008**, 91-109

529 Targeted Downregulation of TGF- $\beta$  with AP 12009 in Tumor Therapy. **2008**, 635-651

528 Regulation of the Transforming Growth Factor- $\beta$  Superfamily by Betaglycan. **2008**, 451-461

1

527 Molecular Genetics of Lung and Pleural Neoplasms. **2008**, 47-157

1

526 Smad Signaling in Leukemic Growth and Differentiation: Crosstalk Between Smad and Multiple Pathways Through Activation of the TGF- $\beta$  Type I Receptor. **2008**, 247-261

525 Triterpenoids, Vitamin D, and TGF- $\beta$ /Smad Signaling in Inflammation and Cancer. **2008**, 525-547

524 Regulation of Smad Activity by Phosphorylation. **2008**, 105-123

523 Transforming Growth Factor- $\beta$  Signaling in Pancreas Development and Pancreatic Disease. **2008**, 3-19

522 TGF- $\beta$  Signaling and Biglycan in Pancreatic Cancer. **2008**, 51-62

521 TGF- $\beta$  Ligands, TGF- $\beta$  Receptors, and Lung Cancer. **2008**, 79-93

520 Interaction of Smad4 and Embryonic Liver Fodrin- $\beta$  Spectrin in Hyperplasia, Neoplasia, and Tumor Suppression. **2008**, 91-103

519 Key Roles of TGF- $\beta$  and Smad3 in Prostate Cancer. **2008**, 229-246

518 Negative Regulation of the TGF- $\beta$  Family Signal Pathway by Inhibitory Smads and Their Involvement in Cancer and Fibrosis. **2008**, 649-661

517 Interaction of Oncogenic Ras and TGF- $\beta$  Signaling in Cancer: Lessons From the Multistage Skin Carcinogenesis Model. **2008**, 305-315

516 Targeting Smad-Dependent TGF- $\beta$  Signaling with Peptide Aptamers. **2008**, 737-756

515 TGF- $\beta$  Signaling in Homeostasis and Cancer. **2008**, 23-35

514 Transforming Growth Factor- $\beta$  In Brain Functions and Dysfunctions. **2008**, 203-218

513 Receptors, Signaling Pathways, Cell Cycle, and DNA Damage Repair. **2008**, 11-21

512 Transforming Growth Factor- $\beta$  in Cancer Therapy: Smurfs in TGF- $\beta$  Signaling and Regulation of Bone Homeostasis and Cancer. **2008**, 155-167

1

511 Smads in the Fibrotic Response: Findings in the Smad3 Knockout Mouse. **2008**, 595-607

510 Bone Morphogenetic Proteins/Growth Differentiation Factors and Smad Activation in Ovarian Granulosa Cells and Carcinoma. **2008**, 425-450

509 Proteomics Analysis of TGF- $\beta$  Superfamily Members. **2008**, 319-331

508 Transforming Growth Factor Beta: Role in Cell Growth and Differentiation.

1

507 TGF- $\beta$  Signaling in Head and Neck Cancer Development and Metastases. **2009**, 163-183

506 Biology of the Normal Joint. **2009**, 1-22

505 Cartilage and Chondrocytes. **2009**, 37-69

1

504 Principles and Mechanisms of Morphogenesis and Dymorphogenesis. **2009**, 133-165

503 Immunological Controls. **2009**, 293-322

502 Inhibitory Effect of LPS-Induced Plasminogen Activator Inhibitor-1 by Ascofuranone in Rat Kidney Fibroblast Cells. **2009**, 19, 1438-1443

501 BMPs in Development. **2010**, 1905-1912

500 Signaling at the Nuclear Envelope. **2010**, 2563-2570

499 Calibrating Notch/TGF- $\beta$  Signaling for Youthful, Healthy Tissue Maintenance and Repair. **2010**, 439-449

498 Molecular Mechanisms of Central Nervous System Metastasis. **2010**, 167-177

497 BMP Signaling in Skeletogenesis. **2010**, 125-136

1

496 Emerging Therapeutic Targets for Pancreatic Cancer. **2010**, 1319-1335

495 Eisenstoffwechsel. **2010**, 105-122

494 Osteoblast Biology. **2010**, 55-112

1

493 Smad4/TGF- $\beta$  Signaling Pathways in Pancreatic Cancer Pathogenesis. **2010**, 419-439

492 Roles of Integrins in the Development and Progression of Squamous Cell Carcinomas. **2011**, 21-52

1

491 Genetics of Familial and Idiopathic Pulmonary Arterial Hypertension. **2011**, 997-1009

490 References. **2011**, 249-347

489 Negative Regulation of TH17 Differentiation. **2011**, 129-155

1

488 TGF- $\beta$  Signaling in Fibroblasts Regulates Tumor Initiation and Progression in Adjacent Epithelia. **2011**, 223-243

487 Mechanisms of Myofibroblast Differentiation. **2012**, 61-67

1

486 Role of TGF- $\beta$  in Immune Suppression and Inflammation. **2012**, 289-301

485 Bone Morphogenetic Protein 9 Regulate Osteogenic Differentiation of C3H10T1/2 Mesenchymal Stem Cells Through p38 Kinase Pathway\*. **2011**, 38, 1001-1010

484 Differential Signaling by TGF- $\beta$ 1 and BMP-2/-7 During Induction of Osteogenic Differentiation of Human Periodontal Ligament Cells-Involvement of a PI3K/mTOR/p70S6K Mechanism. **2012**, 21, 359-366

1

483 Regulation of RANKL-Induced Osteoclastogenesis by TGF- $\beta$  **2013**, 103-107

482 Response of Fetal and Adult Cells to Growth Factors. **2013**, 65-77

481 Role of TGF- $\beta$  Signaling in the ossification process of periodontal ligament cells. **2013**, 55, 132-139

480 The Role of Growth Differentiation Factor 5 in Cardiac Repair Post-Myocardial Infarction. **2013**, 365-382

1

479 TGF- $\beta$  Signaling Pathway and MicroRNAs in Cardiovascular Disease. **2013**, 349-368

478 TGF- $\beta$  and Inhibitory Smads in Inflammation. **2013**, 279-294

- 477 Utility of adeno-associated viruses to target members of the TGF- $\beta$  superfamily in prostate cancer therapy. **2013**, 04, 8-14
- 476 Application of Next-Generation Sequencing to Analysis of TGF- $\beta$ /SMAD4 Targets in Ovarian Cancer. **2013**, 119-135
- 475 ALK7 gene polymorphism is associated with metabolic syndrome risk and cardiovascular remodeling. **2013**, 101, 134-40 5
- 474 Crossroads of Signaling Pathways. **2013**, 143-157
- 473 BMP Signaling in Regenerative Medicine. **2013**, 1-30
- 472 Role of Transforming Growth Factor Beta in Angiogenesis. **2013**, 23-45 1
- 471 Suppression of Premature Senescence and Promotion of Metastatic Transformation: Role of Reduced TGF-Beta Signaling in Human Cancer Progression. **2014**, 219-226
- 470 Effects of Diabetes-Induced Hyperglycemia in the Heart: Biochemical and Structural Alterations. **2014**, 77-106 1
- 469 Understanding Cancer Invasion and Metastasis. **2014**, 253-278 1
- 468 Aging-Associated Alterations in Myocardial Inflammation and Fibrosis: Pathophysiological Perspectives and Clinical Implications. **2014**, 361-375
- 467 Intracellular Signaling. **2014**, 22-39.e8
- 466 Vascular Genetics. **2014**, 1-41
- 465 Angiogenesis Inhibition in Castration-Resistant Prostate Cancer. **2014**, 203-231
- 464 Transforming Growth Factor Beta: Role in Cell Growth and Differentiation.
- 463 Neuroendocrine Tumors of the Pancreas: Molecular Pathogenesis and Perspectives on Targeted Therapies. **2014**, 3, 141-150
- 462 Cytokine Networks and Cancer Stem Cells. **2015**, 67-87 1
- 461 Vascular Genetics. **2015**, 53-88
- 460 Non-Canonical Regulation of TGF- $\beta$  Signaling: A Role for Ski/Sno and YAP/TAZ. **2015**, 147-165

- 459 Genetic factors affecting patient responses to pancreatic cancer treatment. **2016**, 29, 466-476 3
- 458 The Genetics of Mitral Valve Prolapse. **2016**, 323-329
- 457 Encyclopedia of Signaling Molecules. **2016**, 1-8 1
- 456 Phosphorylation of Smads by Intracellular Kinases. **2016**, 1344, 93-109 0
- 455 Ascending the PEAK1 toward targeting TGF $\beta$  during cancer progression: Recent advances and future perspectives. **2016**, 3, 4
- 454 Transcriptional landscape of cell lines and their tissues of origin. 0
- 453 New approaches to prediction and treatment of advanced gastric cancer based on molecular-biological parameters. **2017**, 94, 812-820
- 452 Smad4-TGF $\beta$ -Signaling Pathways in Pancreatic Cancer Pathogenesis. **2017**, 1-25
- 451 Role of Transforming Growth Factor Beta Family in Angiogenesis. **2017**, 75-103
- 450 Integrative analysis of the canonical TGF $\beta$ -Smad signaling pathway in breast cancer (Preprint).
- 449 CaDrA: A computational framework for performing candidate driver analyses using binary genomic features.
- 448 The Pathogenesis of Intraabdominal Adhesions: Similarities and Differences to Luminal Fibrosis. **2018**, 319-346
- 447 TGF $\beta$ -Smad Signalling Pathway in Cancer. **2018**, 151-185
- 446 Encyclopedia of Signaling Molecules. **2018**, 5584-5592
- 445 Placental epigenetics for evaluation of fetal congenital heart defects: Ventricular septal defect (VSD).
- 444 Role of dipeptidyl peptidase-4 as a potentiator of activin/nodal signaling pathway. **2018**, 51, 636-641 1
- 443 Mechanisms of Fibrosis in IPF. **2019**, 133-182
- 442 Crosstalk Signaling between IFN- $\gamma$  and TGF- $\beta$  in Microglia Restores the Defective  $\beta$  Amyloid Clearance Pathway in Aging Mice with Alzheimer's Disease. **2018**, 24, 305-310 1

- 441 The down regulation of megalin/LRP2 by transforming growth factor beta (TGF- $\beta$ ) is mediated by the SMAD2/3 signalling pathway. 1
- 440 A Comprehensive Molecular Portrait of Human Urine-derived Renal Progenitor Cells. 0
- 439 Endocardial differentiation in zebrafish occurs during early somitogenesis and is dependent on BMP and etv2 signalling.
- 438 TGF- $\beta$  restricts T cell function and bacterial control within the tuberculous granuloma. 2
- 437 Tumor Necrosis Factor- $\beta$ -Induced Protein 8-like 2 Downregulation Reduces CD4+ T Lymphocyte Apoptosis in Mice with Thermal Injury. **2019**, 25, 7547-7556 3
- 436 Selective disruption of synaptic BMP signaling by a Smad mutation adjacent to the highly conserved H2 helix.
- 435 A Single-Nucleotide Polymorphism (rs1131243) of the Transforming Growth Factor Beta Signaling Pathway Contributes to Risk of Acute Rejection in Chinese Renal Transplant Recipients. **2019**, 25, 9138-9158 1
- 434 LncRNA GAS5 attenuates fibroblast activation through inhibiting Smad3 signaling.
- 433 The CRISPR-Cas9 crATIC HeLa transcriptome: Characterization of a novel cellular model of ATIC deficiency and ZMP accumulation.
- 432 Astragaloside IV attenuates high glucose-induced EMT by inhibiting the TGF- $\beta$ /Smad pathway in renal proximal tubular epithelial cells. **2020**, 40, 7
- 431 MicroRNA-27a inhibits trophoblast cell migration and invasion by targeting SMAD2: Potential role in preeclampsia. **2020**, 20, 2262-2269 2
- 430 KDM6A suppresses hepatocellular carcinoma cell proliferation by negatively regulating the TGF- $\beta$ /SMAD signaling pathway. **2020**, 20, 2774-2782 1
- 429 Comprehensive Analysis of Ferroptosis-Related Markers for the Clinical and Biological Value in Gastric Cancer. **2021**, 2021, 7007933 2
- 428 Fluoroquinolones Suppress TGF- $\beta$  and PMA-Induced MMP-9 Production in Cancer Cells: Implications in Repurposing Quinolone Antibiotics for Cancer Treatment. **2021**, 22, 0
- 427 Long noncoding RNA SGO1-AS1 inactivates TGF $\beta$  signaling by facilitating TGF $\beta$ 1/2 mRNA decay and inhibits gastric carcinoma metastasis. **2021**, 40, 342 2
- 426 High salt diet impairs dermal tissue remodeling in a mouse model of IMQ induced dermatitis. **2021**, 16, e0258502 1
- 425 TGF- $\beta$  and BMP Signaling Pathways in Cancer and Bone: In Sickness and in Health. **2020**, 281-293
- 424 Large-scale prediction of key dynamic interacting proteins in multiple cancers.

- 423 Cartilage intermediate layer protein affects the progression of intervertebral disc degeneration by regulating the extracellular microenvironment (Review). **2021**, 47, 475-484 2
- 422 Species-specific sensitivity to TGF $\beta$  signaling and changes to the Mmp13 promoter underlie avian jaw development and evolution.
- 421 Effects of E. Coli Infection on the Expressions of TGF- $\beta$ /Smads Signaling Pathway in Broiler Intestine. **2020**, 22, 1
- 420 The Genetics of Mitral Valve Prolapse. **2020**, 431-437
- 419 Thyroid Hormone, Mitochondrial Function and Cardioprotection. **2020**, 109-126
- 418 Crosstalk of Molecular Signaling in Hepatocellular Carcinoma. **2020**, 85-94 0
- 417 [Involvement of Notch1 and ALK4/5 Signaling Pathways in Renal Tubular Cell Death: Their Application to Clarification of Cadmium Toxicity]. **2020**, 75,
- 416 The Effects of Tofacitinib-Mediated Janus Kinase/Signal Transducers and Activators of the Transcription Signal Pathway Inhibition on Collagen Biosynthesis in Hepatic and Skin Fibroblast Cell Culture. **2020**, 35, 343-350 0
- 415 Activin A and Follistatin Serum Concentrations in Breast Augmentation Patients: Concentrations sériques d'activine A et de follistatine chez les patientes ayant une augmentation mammaire. 229255032110511
- 414 Transcriptomic Analysis of Laying Hens Revealed the Role of Aging-Related Genes during Forced Molting. **2021**, 12, 2
- 413 The Role of TGF- $\beta$  in Bone Metastases. **2021**, 11, 4
- 412 Embryonic Protein NODAL Regulates the Breast Tumour Microenvironment by Reprogramming Cancer-Derived Secretomes.
- 411 BMP Signaling in Regenerative Medicine. 1252-1281
- 410 TGF- $\beta$  Pathway and Cancerogenesis of Epithelial Skin Tumors. **2006**, 80-93
- 409 Structural Insights into Smad Function and Specificity. **2006**, 215-233 1
- 408 Gene Expression Signatures of TGF- $\beta$ /Smad-Induced Responses. **2006**, 335-360
- 407 Smad Proteins in Apoptotic and Survival Signaling. **2006**, 113-129 2
- 406 Para- und autokrine Aspekte der Pathogenese des duktales Pankreaskarzinoms: Einfluss von Zytokinen und Wachstumsfaktoren. **2006**, 309-321



405 Transcriptional Regulation by Smads. **2006**, 185-206

404 Bioluminescent Imaging of Excitotoxic and Endotoxic Brain Injury in Living Mice. **2008**, 175-182

403 Systemic Sclerosis. **2006**, 979-989

402 Role of TGF- $\beta$  in Tumor Progression and Metastasis. **2006**, 469-489

401 Medical Countermeasures to Radiation Injury. **2008**, 11-17

400 Molecular Biology and Genetics. **2008**, 95-108

399 Signal Transduction in Hepatocellular Carcinoma: Insights from Zebrafish. **2020**, 14, 47-58

398 K-ras and Dpc4 mutations in chronic pancreatitis: case series. **2007**, 48, 218-24

10

397 Vitreous induces heme oxygenase-1 expression mediated by transforming growth factor-beta and reactive oxygen species generation in human retinal pigment epithelial cells. **2007**, 13, 66-78

5

396 HSV-1 infection suppresses TGF-beta1 and SMAD3 expression in human corneal epithelial cells. **2008**, 14, 1631-8

14

395 TGFbeta signaling supports survival and metastasis of endometrial cancer cells. **2009**, 2009, 15-24

19

394 Integration of non-SMAD and SMAD signaling in TGF-beta1-induced plasminogen activator inhibitor type-1 gene expression in vascular smooth muscle cells. **2008**, 100, 976-83

49

393 Nodal and activin receptor-like kinase 7 induce apoptosis in human breast cancer cell lines: Role of caspase 3. **2009**, 1, 83-96

13

392 Aging and Cardiac Fibrosis. **2011**, 2, 158-173

191

391 Transforming growth factor beta receptor I inhibitor sensitizes drug-resistant pancreatic cancer cells to gemcitabine. **2012**, 32, 799-806

13

390 Imbalanced expression of Tif1 inhibits pancreatic ductal epithelial cell growth. **2014**, 4, 196-210

8

389 TGFBR1 and cancer susceptibility. **2014**, 125, 300-12

15

388 Molecular mechanisms and treatment of radiation-induced lung fibrosis. **2013**, 14, 1347-56

93

387	TGF- $\beta$ induction of FGF-2 expression in stromal cells requires integrated smad3 and MAPK pathways. <b>2014</b> , 2, 239-48	8
386	TGFBI protein high expression predicts poor prognosis in colorectal cancer patients. <b>2015</b> , 8, 702-10	28
385	LY2109761 enhances cisplatin antitumor activity in ovarian cancer cells. <b>2015</b> , 8, 4923-32	16
384	Overexpression of RACK1 inhibits collagen synthesis in keloid fibroblasts via inhibition of transforming growth factor- $\beta$ /Smad signaling pathway. <b>2015</b> , 8, 15262-8	8
383	TGF- $\beta$ induces human aortic vascular smooth muscle cell phenotype switch through PI3K/AKT/ID2 signaling. <b>2015</b> , 7, 2764-74	25
382	High glucose inhibits osteogenic differentiation through the BMP signaling pathway in bone mesenchymal stem cells in mice. <b>2013</b> , 12, 584-97	24
381	Curcumin Suppress Cardiac Fibroblasts Activities by Regulating Proliferation, Migration, and the Extracellular Matrix. <b>2014</b> , 30, 474-82	14
380	The Chinese medicine, Jianpi Huayu Decoction, inhibits the epithelial mesenchymal transition via the regulation of the Smad3/Smad7 cascade. <b>2017</b> , 9, 2694-2711	10
379	Paeoniflorin exerts protective effect on radiation-induced hepatic fibrosis in rats via TGF- $\beta$ /Smads signaling pathway. <b>2018</b> , 10, 1012-1021	15
378	Nanocurcumin-Mediated Down-Regulation of Telomerase Via Stimulating TGF $\beta$ Signaling Pathway in Hepatocellular Carcinoma Cells. <b>2018</b> , 22, 171-9	1
377	S-allyl-cysteine attenuates carbon tetrachloride-induced liver fibrosis in rats by targeting STAT3/SMAD3 pathway. <b>2018</b> , 10, 1337-1346	8
376	Association between Altered Expression and Genetic Variations of Transforming Growth Factor $\beta$ Smad Pathway with Chronic Myeloid Leukemia. <b>2018</b> , 12, 14-22	1
375	Cytokine-induced alterations of BAMBI mediate the reciprocal regulation of human Th17/Treg 'cells in response to cigarette smoke extract. <b>2018</b> , 42, 3404-3414	0
374	Nintedanib inhibits TGF- $\beta$ induced myofibroblast transdifferentiation in human Tenon's fibroblasts. <b>2018</b> , 24, 789-800	7
373	Apogossypolone acts as a metastasis inhibitor via up-regulation of E-cadherin dependent on the GSK-3/AKT complex. <b>2019</b> , 11, 218-232	3
372	Pirfenidone inhibits epidural scar fibroblast proliferation and differentiation by regulating TGF- $\beta$ -induced Smad-dependent and -independent pathways. <b>2019</b> , 11, 1593-1604	9
371	Hsa-miR-587 Regulates TGF $\beta$ /SMAD Signaling and Promotes Cell Cycle Progression. <b>2020</b> , 22, 158-164	6
370	Grainyhead-like 2 as a double-edged sword in development and cancer. <b>2020</b> , 12, 310-331	6

369	SH3BGRL2 exerts a dual function in breast cancer growth and metastasis and is regulated by TGF- $\beta$ . <b>2020</b> , 10, 1238-1254	2
368	Directed Blocking of TGF- $\beta$ Receptor I Binding Site Using Tailored Peptide Segments to Inhibit its Signaling Pathway. <b>2020</b> , 18, e2561	
367	The regulatory roles of long noncoding RNAs in osteoporosis. <b>2020</b> , 12, 5882-5907	2
366	Long-term model of colitis-associated colorectal cancer suggests tumor spread mechanism and nature of cancer stem cells. <b>2021</b> , 21, 7	1
365	BMP4 augments the survival of hepatocellular carcinoma (HCC) cells under hypoxia and hypoglycemia conditions by promoting the glycolysis pathway. <b>2021</b> , 11, 793-811	2
364	Inhibition of transforming growth factor-beta by Tranilast reduces tumor growth and ameliorates fibrosis in colorectal cancer. <b>2021</b> , 20, 601-613	2
363	Cardioprotective Roles of Endothelial Progenitor Cell-Derived Exosomes. <b>2021</b> , 8, 717536	4
362	Synthesis, Antibacterial and Antifungal Evaluation of Rhodanine Derivatives Bearing Quinoxalinyll Imidazole Moiety as ALK5 Inhibitors. <b>2021</b> , 41, 4428	1
361	Cardioprotective Roles of Endothelial Progenitor Cell-Derived Exosomes. <b>2021</b> , 8, 717536	6
360	Long Non-Coding RNAs (lncRNAs) in Response and Resistance to Cancer Immunosurveillance and Immunotherapy.. <b>2021</b> , 10,	4
359	Amygdalin Ameliorates Liver Fibrosis through Inhibiting Activation of TGF- $\beta$ /Smad Signaling. <b>2021</b> , 1	0
358	Comprehensive review on signaling pathways of dietary saponins in cancer cells suppression. <b>2021</b> , 1-26	1
357	Dysregulation of Cytoskeleton Remodeling Drives Invasive Leading Cells Detachment. <b>2021</b> , 13,	0
356	Inner nuclear membrane protein TMEM201 promotes breast cancer metastasis by positive regulating TGF $\beta$ signaling. <b>2021</b> ,	4
355	Thrombospondin type 1 repeat-derived C-mannosylated peptide attenuates synaptogenesis of cortical neurons induced by primary astrocytes via TGF- $\beta$ <b>2021</b> , 1	2
354	Mucosal Mast Cell-Specific Gene Expression Is Promoted by Interdependent Action of Notch and TGF- $\beta$ Signaling. <b>2021</b> ,	0
353	TGF- $\beta$ Signaling and Resistance to Cancer Therapy.. <b>2021</b> , 9, 786728	9
352	Cytokine-Mediated Alterations of Human Cardiac Fibroblast's Secretome. <b>2021</b> , 22,	1

351	Phytosterols in hull-less pumpkin seed oil, rich in $\beta$ -phytosterols, ameliorate benign prostatic hyperplasia by lowering 5 $\alpha$ -reductase and regulating balance between cell proliferation and apoptosis in rats.. <b>2021</b> , 65,	3
350	Fibroblast-mediated intercellular crosstalk in the healthy and diseased heart. <b>2021</b> ,	3
349	Role of Par-4 in EMT. <b>2021</b> , 1-23	
348	Modulation of Myeloid-Derived Suppressor Cells Amplification by Tumor Microenvironment. <b>2021</b> , 11, 5039-5047	
347	O-GlcNAcylation of MORC2 at threonine 556 by OGT couples TGF- $\beta$ signaling to breast cancer progression.. <b>2022</b> ,	4
346	The gut microbiota can orchestrate the signaling pathways in colorectal cancer.. <b>2022</b> ,	3
345	Platelet-rich plasma exhibits anti-inflammatory effect and attenuates cardiomyocyte damage by reducing NF- $\kappa$ B and enhancing VEGF expression in isoproterenol induced cardiotoxicity model.. <b>2022</b> ,	0
344	GDF-15, a future therapeutic target of glucolipid metabolic disorders and cardiovascular disease.. <b>2021</b> , 146, 112582	2
343	Cannabinol modulates neuroprotection and intraocular pressure: A potential multi-target therapeutic intervention for glaucoma.. <b>2021</b> , 1868, 166325	1
342	Long-term model of colitis-associated colorectal cancer suggests tumor spread mechanism and nature of cancer stem cells. <b>2020</b> , 21, 1-1	1
341	Colorectal cancer and adjacent normal mucosa differ in apoptotic and inflammatory protein expression. <b>2021</b> , 2, 279-287	1
340	Genistein does not inhibit TGF-beta1-induced conversion of human dermal fibroblasts to myofibroblasts. <b>2021</b> , 70, 815-820	
339	Aggravation of pulmonary fibrosis after knocking down the Aryl hydrocarbon receptor in the Insulin-like growth factor 1 receptor pathway.. <b>2022</b> ,	0
338	Short-term tetrabromobisphenol A exposure promotes fibrosis of human uterine fibroid cells in a 3D culture system through TGF-beta signaling.. <b>2022</b> , 36, e22101	
337	Altered Expression of TRIM Proteins-Inimical Outcome and Inimitable Oncogenic Function in Breast Cancer with Diverse Carcinogenic Hallmarks.. <b>2022</b> ,	0
336	Mechanical Compression of Human Airway Epithelial Cells Induces Release of Extracellular Vesicles Containing Tenascin C.. <b>2022</b> , 11,	2
335	A promising transwell co-culture cell model for silicosis.. <b>2022</b> , 105318	1
334	CAMSAP1 Mutation Correlates With Improved Prognosis in Small Cell Lung Cancer Patients Treated With Platinum-Based Chemotherapy.. <b>2021</b> , 9, 770811	0

333	Long non-coding RNA H19 aggravates keloid progression by upregulating SMAD family member 5 expression via miR-196b-5p.. <b>2022</b> , 13, 1447-1458	1
332	Overexpression of bone morphogenetic protein receptor type 2 suppresses transforming growth factor $\beta$ -induced profibrotic responses in lung fibroblasts.. <b>2022</b> , 1-17	
331	Recent development of imidazole derivatives as potential anticancer agents. <b>2022</b> ,	
330	Transforming growth factor- $\beta$ in myocardial disease.. <b>2022</b> ,	11
329	Smad3 methylation by EZH2 promotes its activation and tumor metastasis.. <b>2022</b> ,	1
328	Pharmacological inhibition of HDAC6 downregulates TGF- $\beta$ via Smad2/3 acetylation and improves dystrophin-deficient muscles.	1
327	A Tight Control of Non-Canonical TGF- $\beta$ Pathways and MicroRNAs Downregulates Nephronectin in Podocytes.. <b>2022</b> , 11,	1
326	The role of leucine-rich alpha-2-glycoprotein-1 in proliferation, migration, and invasion of tumors.. <b>2022</b> , 148, 283	1
325	Extracellular vesicles derived from neural EGFL-Like 1-modified mesenchymal stem cells improve acellular bone regeneration via the miR-25-5p-SMAD2 signaling axis.. <b>2022</b> , 17, 457-470	2
324	The mA methyltransferase METTL3 regulates muscle maintenance and growth in mice.. <b>2022</b> , 13, 168	3
323	New IMB16-4 Nanoparticles Improved Oral Bioavailability and Enhanced Anti-Hepatic Fibrosis on Rats.. <b>2022</b> , 15,	0
322	Synthesis and Biological Evaluation of 4-(pyridine-4-oxy)-3-(tetrahydro-2H-pyran-4-yl)-pyrazole Derivatives as Novel, Potent of ALK5 Receptor Inhibitors.. <b>2022</b> , 61, 128552	1
321	Stem Cells and Proteomics in Biomaterials and Biomedical Applications. <b>2022</b> , 125-157	1
320	Repolarization of Unbalanced Macrophages: Unmet Medical Need in Chronic Inflammation and Cancer.. <b>2022</b> , 23,	0
319	Signaling Pathways Regulating Axogenesis and Dendritogenesis in Sympathetic Neurons.	
318	A programmed surface on polyetheretherketone for sequentially dictating osteoimmunomodulation and bone regeneration to achieve ameliorative osseointegration under osteoporotic conditions.. <b>2022</b> , 14, 364-376	3
317	Sulfur-regulated defect engineering for enhanced ultrasonic piezocatalytic therapy of bacteria-infected bone defects. <b>2022</b> , 435, 134624	7
316	Advances in Peritoneal Dialysis-Related Peritoneal Fibrosis. <b>2022</b> , 12, 820-827	

- 315 CD39/CD73 Dysregulation of Adenosine Metabolism Increases Decidual Natural Killer Cell Cytotoxicity: Implications in Unexplained Recurrent Spontaneous Abortion.. **2022**, 13, 813218 0
- 314 ADAMTS8 Promotes Cardiac Fibrosis Partly Through Activating EGFR Dependent Pathway.. **2022**, 9, 797137 0
- 313 Rethinking growth factors: the case of BMP9 during vessel maturation.. **2022**, 4, R1-R14 0
- 312 Lipopolysaccharide acting via toll-like receptor 4 transactivates the TGF- $\beta$  receptor in vascular smooth muscle cells.. **2022**, 79, 121 1
- 311 TFPI2 suppresses the interaction of TGF- $\beta$  pathway regulators to promote endothelial-mesenchymal transition in diabetic nephropathy.. **2022**, 101725 1
- 310 Lysine demethylase 3A is a positive regulator of cardiac myofibroblast transdifferentiation that increases Smad3 phosphorylation following transforming growth factor beta1 stimulation.. **2022**, 49, 3177 0
- 309 Contribution of the Gut Microbiota to Intestinal Fibrosis in Crohn's Disease.. **2022**, 9, 826240 0
- 308 Thrombospondin-1, Platelet Factor 4, and Galectin-1 are Associated with Engraftment in Patients with Sickle Cell Disease Who Underwent Haploidentical HSCT.. **2022**, 1 1
- 307 CHIR99021 balance TGF $\beta$  induced human corneal endothelial-to-mesenchymal transition to favor corneal endothelial cell proliferation.. **2022**, 108939 0
- 306 2,5-Dimethylcelecoxib attenuates cardiac fibrosis caused by cryoinjury-induced myocardial infarction by suppressing the fibroblast-to-myofibroblast transformation via inhibition of the TGF- $\beta$  signaling pathway.. **2022**, 197, 114950 0
- 305 Recent advances in the diagnosis, classification and molecular pathogenesis of cutaneous mesenchymal neoplasms.. **2022**, 80, 216-232 0
- 304 The Preventive Effect of Decorin on Epidural Fibrosis and Epidural Adhesions After Laminectomy.. **2021**, 12, 774316 1
- 303 Therapeutic Intervention of Signaling Pathways in Colorectal Cancer. **2022**, 143-171 0
- 302 Tumor microenvironment in hepatocellular carcinoma. **2022**, 109-124 0
- 301 Prognostic Relevance of Transforming Growth Factor- $\beta$  Receptor Expression and Signaling in Glioblastoma, Isocitrate Dehydrogenase-Wildtype.. **2022**, 1 0
- 300 Blockade of TMEM16A protects against renal fibrosis by reducing intracellular Cl concentration.. **2021**, 1 0
- 299 The genetic landscape of pancreatic head ductal adenocarcinoma in China and prognosis stratification.. **2022**, 22, 186 3
- 298 Photobiomodulation-Activated Latent Transforming Growth Factor- $\beta$ : A Critical Clinical Therapeutic Pathway and an Endogenous Optogenetic Tool for Discovery.. **2021**, 1 2

297	The Role of Inactivation in Epithelial-Mesenchymal Plasticity of Pancreatic Ductal Adenocarcinoma: The Missing Link?. <b>2022</b> , 14,	0
296	Regulatory T Cells in Autoimmune Vasculitis.. <b>2022</b> , 13, 844300	1
295	Overexpressed integrin alpha 2 inhibits the activation of the transforming growth factor $\beta$ pathway in pancreatic cancer via the TFCP2-SMAD2 axis.. <b>2022</b> , 41, 73	0
294	The Bright and the Dark Side of TGF- $\beta$ Signaling in Hepatocellular Carcinoma: Mechanisms, Dysregulation, and Therapeutic Implications.. <b>2022</b> , 14,	2
293	In Vitro Analysis of TGF- $\beta$ Signaling Modulation of Porcine Alveolar Macrophages in Porcine Circovirus Type 2b Infection.. <b>2022</b> , 9,	0
292	Comprehensive Characterization of Transforming Growth Factor Beta Receptor 1 in Stomach Adenocarcinoma Identifies a Prognostic Signature for Predicting Clinical Outcomes and Immune Infiltrates.. <b>2022</b> , 15, 3375-3391	
291	Immunology of Inflammatory Bowel Disease: Molecular Mechanisms and Therapeutics.. <b>2022</b> , 15, 1825-1844	3
290	Renal tubular PAR2 promotes interstitial fibrosis by increasing inflammatory responses and EMT process.. <b>2022</b> , 45, 159	1
289	IMM-H007 attenuates isoprenaline-induced cardiac fibrosis through targeting TGF $\beta$ signaling pathway.. <b>2022</b> ,	
288	Signaling pathways and targeted therapy for myocardial infarction.. <b>2022</b> , 7, 78	4
287	Regulation of Cell-Signaling Pathways by Berbamine in Different Cancers.. <b>2022</b> , 23,	0
286	CCL7 and TGF- $\beta$ secreted by MSCs play opposite roles in regulating CRC metastasis in a KLF5/CXCL5 dependent manner.. <b>2022</b> ,	2
285	ACPA Alleviates Bleomycin-Induced Pulmonary Fibrosis by Inhibiting TGF- $\beta$ Smad2/3 Signaling-Mediated Lung Fibroblast Activation.. <b>2022</b> , 13, 835979	2
284	Intraperitoneal injection of 17 $\beta$ estradiol increases ovarian smad2/3 expression in Yangtze sturgeon <i>Acipenser dabryanus</i> .	
283	Efficient TGF- $\beta$ Delivery to Articular Chondrocytes In Vitro Using Agro-Based Liposomes.. <b>2022</b> , 23,	1
282	Salvianolic acid B acts against non-small cell lung cancer A549 cells via inactivation of the MAPK and Smad2/3 signaling pathways.. <b>2022</b> , 25,	1
281	Exosomal let-7i-5p from three-dimensional cultured human umbilical cord mesenchymal stem cells inhibits fibroblast activation in silicosis through targeting TGFBR1.. <b>2022</b> , 233, 113302	1
280	Metastasis and MAPK Pathways.. <b>2022</b> , 23,	2

279	The Role of Transforming Growth Factor Beta in Joint Homeostasis and Cartilage Regeneration.. <b>2022,</b>	0
278	Impact of laparoscopic liver resection on liver regeneration.. <b>2022, 1</b>	
277	Scarless Wound Healing: Current Insights From the Perspectives Of TGF- $\beta$ KGF-1, and KGF-2. <b>2022,</b>	1
276	Cross-Communication Between Knee Osteoarthritis and Fibrosis: Molecular Pathways and Key Molecules.. <b>2022, 13, 1-15</b>	1
275	Sprouty and Spred temporally regulate ERK1/2-signaling to suppress TGF $\beta$ Induced lens EMT.. <b>2022</b> , 109070	1
274	Transcriptome Profile of Membrane and Extracellular Matrix Components in Ligament-Fibroblastic Progenitors and Cementoblasts Differentiated from Human Periodontal Ligament Cells.. <b>2022, 13,</b>	1
273	Targeting transforming growth factor- $\beta$ signalling for cancer prevention and intervention: Recent advances in developing small molecules of natural origin.. <b>2022, 12, e795</b>	0
272	Two Modulators of Skeletal Development: BMPs and Proteoglycans.. <b>2022, 10,</b>	0
271	Zerumbone, a humulane sesquiterpene from <i>Syringa pinnatifolia</i> , attenuates cardiac fibrosis by inhibiting of the TGF- $\beta$ /Smad signaling pathway after myocardial infarction in mice.. <b>2022, 100, 154078</b>	0
270	Ubiquitination and deubiquitination in the regulation of epithelial-mesenchymal transition in cancer: Shifting gears at the molecular level.. <b>2022, 1869, 119261</b>	0
269	Tri-component programmable nanoregulator with Three-pronged penetration boosts immunotherapy of Triple-Negative breast cancer. <b>2022, 439, 135712</b>	2
268	Tartary buckwheat flavonoids relieve the tendency of mammary fibrosis induced by HFD during pregnancy and lactation. <b>2021, 13,</b>	0
267	Role of Secretoglobin (club cell) NFB/RelA-TGF $\beta$ signaling in aero-allergen-induced epithelial plasticity and subepithelial myofibroblast transdifferentiation.. <b>2021, 22, 315</b>	2
266	Differential lncRNA/mRNA Expression Profiling and Functional Network Analyses in Bmp2 Deletion of Mouse Dental Papilla Cells.. <b>2021, 12, 702540</b>	0
265	Construction and analysis of the ceRNA network in lung adenocarcinoma.. <b>2021, 9, 1757</b>	0
264	Intermittent Hypoxic Therapy Inhibits Allogenic Bone-Graft Resorption by Inhibition of Osteoclastogenesis in a Mouse Model.. <b>2021, 23,</b>	0
263	Plasma Exosomal Mir-423-5p Is Involved in the Occurrence and Development of Bicuspid Aortopathy TGF- $\beta$ /SMAD2 Pathway.. <b>2021, 12, 759035</b>	2
262	Anticancer Effects of Midazolam on Lung and Breast Cancers by Inhibiting Cell Proliferation and Epithelial-Mesenchymal Transition.. <b>2021, 11,</b>	0



261	TGF- $\beta$ Potentiates the Cytotoxicity of Cadmium by Induction of a Metal Transporter, ZIP8, Mediated by the ALK5-Smad2/3 and ALK5-Smad3-p38 MAPK Signal Pathways in Cultured Vascular Endothelial Cells.. <b>2021</b> , 23,	1
260	Vimentin and cytokeratin: good alone, bad together.. <b>2021</b> ,	3
259	The Enteric Nervous System and the Microenvironment of the Gut: The Translational Aspects of the Microbiome-Gut-Brain Axis. <b>2021</b> , 11, 12000	1
258	Gsmt deficiency facilitates cardiac remodeling via CREB/ Bmp10-mediated signaling.. <b>2021</b> , 7, 391	1
257	Bioactive Inks Development for Osteochondral Tissue Engineering: A Mini-Review.. <b>2021</b> , 7,	3
256	The Role of Angiogenic Factor Dysregulation in the Pathogenesis of Polycystic Ovarian Syndrome. <b>2022</b> , 449-487	
255	OUP accepted manuscript.	0
254	From inflammatory bowel disease to colorectal cancer: what's the role of miRNAs?. <b>2022</b> , 22, 146	1
253	Matriptase-2/NR4A3 axis switches TGF- $\beta$ action toward suppression of prostate cancer cell invasion, tumor growth, and metastasis.. <b>2022</b> ,	2
252	A New Hypothetical Concept in Metabolic Understanding of Cardiac Fibrosis: Glycolysis Combined with TGF- $\beta$ and KLF5 Signaling.. <b>2022</b> , 23,	0
251	Pharmacological Activities of Natural Products through the TGF- Signalling Pathway.. <b>2022</b> , 2022, 9823258	
250	Effects of prolonged treatment of TGF- $\beta$ inhibitor SB431542 on radiation-induced signaling in breast cancer cells.. <b>2022</b> , 1-18	
249	Association of TGF- $\beta$ Canonical Signaling-Related Core Genes With Aortic Aneurysms and Aortic Dissections.. <b>2022</b> , 13, 888563	2
248	Protective effect of growth differentiation factor 15 in sepsis by regulating macrophage polarization and its mechanism.. <b>2022</b> , 13, 9687-9707	
247	Data_Sheet_1.PDF. <b>2020</b> ,	
246	Data_Sheet_2.PDF. <b>2020</b> ,	
245	Data_Sheet_3.PDF. <b>2020</b> ,	
244	Data_Sheet_4.PDF. <b>2020</b> ,	

243 Data\_Sheet\_5.PDF. 2020,

242 Data\_Sheet\_6.PDF. 2020,

241 Table\_1.XLSX. 2020,

240 Table\_2.XLSX. 2020,

239 Table\_3.XLSX. 2020,

238 Table\_4.XLSX. 2020,

237 Table\_5.DOCX. 2020,

236 Table\_6.XLSX. 2020,

235 image\_1.tif. 2018,

234 image\_2.tif. 2018,

233 image\_3.tif. 2018,

232 image\_4.tif. 2018,

231 Presentation\_1.PPTX. 2019,

230 Table\_1.XLSX. 2019,

229 Table\_2.XLSX. 2019,

228 DataSheet\_1.doc. 2019,

227 Presentation\_1.ppt. 2019,

226 Data\_Sheet\_1.docx. 2019,

225 Data\_Sheet\_1.docx. **2018**,

224 Data\_Sheet\_1.PDF. **2019**,

223 Data\_Sheet\_1.PDF. **2020**,

222 DataSheet\_1.docx. **2020**,

221 Image\_1.jpeg. **2020**,

220 Image\_2.jpeg. **2020**,

219 Image\_3.jpeg. **2020**,

218 Image\_4.jpeg. **2020**,

217 Data\_Sheet\_1.PDF. **2020**,

216 Presentation\_1.PDF. **2018**,

215 Generating Somatic Knockout Cell Lines with CRISPR-Cas9 Technology to Investigate SMAD Signaling.. **2022**, 2488, 81-97

214 MED1 Deficiency in Macrophage Aggravates Isoproterenol Induced Cardiac Fibrosis in Mice.. **2022**,

213 Claudin-1 mediates progression by regulating EMT through AMPK/TGF- $\beta$  signaling in head and neck squamous cell carcinoma.. **2022**,

0

212 Signaling cascades in the failing heart and emerging therapeutic strategies.. **2022**, 7, 134

1

211 Targeting TGF- $\beta$  signal transduction for fibrosis and cancer therapy.. **2022**, 21, 104

11

210 The Secreted Protein PA3611 Promotes Bronchial Epithelial Cell Epithelial-Mesenchymal Transition via Integrin  $\alpha$ 5 $\beta$ -Mediated TGF- $\beta$ 1-Induced p38/NF- $\kappa$ B Pathway Activation.. **2021**, 12, 763749

209 OUP accepted manuscript.

208 Insulin Therapy is Associated With Increased Myocardial Interstitial Fibrosis and Cardiomyocyte Apoptosis in a Rodent Model of Experimental Diabetes.. **2022**, 13, 890907

0

207	The Role Of BMPs in the Regulation of Osteoclasts Resorption and Bone Remodeling: From Experimental Models to Clinical Applications.. <b>2022</b> , 13, 869422	0
206	Asiaticoside Combined With Carbon Ion Implantation to Improve the Biocompatibility of Silicone Rubber and to Reduce the Risk of Capsule Contracture. <b>2022</b> , 10,	
205	Cardiac Fibrosis in the Pressure Overloaded Left and Right Ventricle as a Therapeutic Target. <b>2022</b> , 9,	2
204	Ethanol extract of Pharbitis nil ameliorates liver fibrosis through regulation of the TGF $\beta$ -SMAD2/3 pathway.. <b>2022</b> , 115370	1
203	Novel Inhibitor for Downstream Targeting of Transforming Growth Factor- $\beta$ Signaling to Suppress Epithelial to Mesenchymal Transition and Cell Migration.. <b>2022</b> , 23,	0
202	Liver Trauma: Until When We Have to Delay Surgery? A Review. <b>2022</b> , 12, 694	0
201	Endocardial identity is established during early somitogenesis by Bmp signalling acting upstream of npas4l and etv2.. <b>2022</b> , 149,	0
200	The Yin and Yang of IL-17 in Systemic Sclerosis. <b>2022</b> , 13,	0
199	Estrogen deficiency aggravates fluorine ion-induced renal fibrosis via the TGF- $\beta$ /Smad signaling pathway in rats.. <b>2022</b> ,	0
198	Rubus chingii Hu. unripe fruits extract ameliorates carbon tetrachloride-induced liver fibrosis and improves the associated gut microbiota imbalance.. <b>2022</b> , 17, 56	1
197	Pirfenidone mitigates TGF- $\beta$ -mediated fibrosis in an idiopathic inflammatory myositis-associated interstitial lung disease model.. <b>2022</b> , 154, 155899	0
196	Parthenolide reverses the epithelial to mesenchymal transition process in breast cancer by targeting TGF $\beta$ 1: In vitro and in silico studies.. <b>2022</b> , 120610	0
195	NADPH oxidase-induced activation of transforming growth factor-beta-1 causes neuropathy by suppressing antioxidant signaling pathways in alcohol use disorder.. <b>2022</b> , 109136	0
194	Metformin Ameliorates Chronic Colitis-Related Intestinal Fibrosis via Inhibiting TGF- $\beta$ /Smad3 Signaling. <b>2022</b> , 13,	
193	The roles of TGF- $\beta$ and VEGF pathways in the suppression of antitumor immunity in melanoma and other solid tumors.. <b>2022</b> , 108211	3
192	The Role of Transforming Growth Factor- $\beta$ Signaling in Myxomatous Mitral Valve Degeneration. <b>2022</b> , 9,	0
191	EGR1 Plays an Important Role in BMP9-Mediated Osteoblast Differentiation by Promoting SMAD1/5 Phosphorylation.. <b>2022</b> ,	0
190	PRRX1 is a master transcription factor of stromal fibroblasts for myofibroblastic lineage progression.. <b>2022</b> , 13, 2793	1

- 189 Local BMP signaling: A sensor for synaptic activity that balances synapse growth and function. **2022** ○
- 188 The transforming growth factor beta (TGF- $\beta$ /Smads) pathway regulates collagen synthesis and deposition in swim bladder of Chu's croaker (*Nibea coibor*) stimulated by proline. **2022**, 558, 738360 1
- 187 Neurovascular pathology following traumatic spinal cord injury. **2022**, 119-132
- 186 CdGAP Is a Talin-Binding Protein and a Target of TGF- $\beta$  Signaling That Promotes HER2-Positive Breast Cancer Growth and Metastasis.
- 185 Activin A Reduces GIRK Current to Excite Dentate Gyrus Granule Cells. 16,
- 184 Dynamic Involvement of Telocytes in Modulating Multiple Signaling Pathways in Cardiac Cytoarchitecture. **2022**, 23, 5769 ○
- 183 Bioengineering Approaches for Delivering Growth Factors: A Focus on Bone and Cartilage Regeneration. **2022**, 9, 223
- 182 The Outside-In Journey of Tissue Transglutaminase in Cancer. **2022**, 11, 1779
- 181 Receptor, Signal, Nucleus, Action: Signals That Pass through Akt on the Road to Head and Neck Cancer Cell Migration. **2022**, 14, 2606
- 180 MAP9 Exhibits Protumor Activities and Immune Escape toward Bladder Cancer by Mediating TGF- $\beta$  Pathway. **2022**, 2022, 1-14
- 179 Targeting Growth Factor and Cytokine Pathways to Treat Idiopathic Pulmonary Fibrosis. **2022**, 13, 4
- 178 ERK-Smurf1-RhoA signaling is critical for TGF $\beta$ -driven EMT and tumor metastasis. **2022**, 5, e202101330 ○
- 177 Significance of tumor heterogeneity of p-Smad2 and c-Met in HER2-positive gastric carcinoma with lymph node metastasis. **2022**, 22,
- 176 Shenkang Injection for Treating Renal Fibrosis-Metabonomics and Regulation of E3 Ubiquitin Ligase Smurfs on TGF- $\beta$ /Smads Signal Transduction. **2022**, 13, ○
- 175 Long Noncoding RNA and Circular RNA: Two Rising Stars in Regulating Epithelial-Mesenchymal Transition of Pancreatic Cancer. 12, ○
- 174 Inhibition of Tgf $\beta$  signaling enables durable ventricular pacing by TBX18 gene transfer.
- 173 SNAIL driven by a feed forward loop motif promotes TGF $\beta$ -induced epithelial to mesenchymal transition. **2022**, 8, 045012 ○
- 172 Nanoapproach targeting TGF $\beta$ -Smad pathway and modulating lung microenvironment. **2022**,

- 171 Disrupting cellular memory to overcome drug resistance. 1
- 170 Role of MicroRNAs in Signaling Pathways Associated with the Pathogenesis of Idiopathic Pulmonary Fibrosis: A Focus on Epithelial-Mesenchymal Transition. **2022**, 23, 6613 0
- 169 m6A in the Signal Transduction Network. **2022**, 1
- 168 Multiple roles for Bcl-3 in mammary gland branching, stromal collagen invasion, involution and tumor pathology. **2022**, 24, 0
- 167 New Sights Into Long Non-Coding RNA LINC01133 in Cancer. 12, 0
- 166 Transforming growth factor- $\beta$  signalling pathway in tendon healing. 1-10
- 165 Investigation of the Pharmacological Effect and Mechanism of Jinbei Oral Liquid in the Treatment of Idiopathic Pulmonary Fibrosis Using Network Pharmacology and Experimental Validation. 13, 0
- 164 Ginkgolic acid improves bleomycin-induced pulmonary fibrosis by inhibiting SMAD4 SUMOylation. **2022**, 2022, 1-18 0
- 163 A Possible Cause for the Differential Expression of a Subset of miRNAs in Mesenchymal Stem Cells Derived from Myometrium and Leiomyoma. **2022**, 13, 1106
- 162 Species-specific sensitivity to TGF $\beta$  signaling and changes to the Mmp13 promoter underlie avian jaw development and evolution. 11, 0
- 161 The Epigenetic Regulation of Nonhistone Proteins by SETD7: New Targets in Cancer. 13, 0
- 160 Established Liposome-Coated IMB16-4 Polymeric Nanoparticles (LNPs) for Increasing Cellular Uptake and Anti-Fibrotic Effects In Vitro. **2022**, 27, 3738 0
- 159 Role of platelet factor 4 in arteriovenous fistula maturation failure: What do we know so far?. 112972982210854
- 158 DR7dA, a novel antioxidant peptide analog, demonstrates antifibrotic activity in pulmonary fibrosis in vivo and in vitro. JPET-AR-2021-001031
- 157 HMCES modulates the transcriptional regulation of nodal/activin and BMP signaling in mESCs. **2022**, 40, 111038
- 156 The Role of Inflammatory Cytokines in the Pathogenesis of Colorectal Carcinoma Recent Findings and Review. **2022**, 10, 1670 0
- 155 Bone marrow mesenchymal stem cells facilitate diabetic wound healing through the restoration of epidermal cell autophagy via the HIF-1/TGF- $\beta$ /SMAD pathway. **2022**, 13, 0
- 154 Identification of a cytokine-dominated immunosuppressive class in squamous cell lung carcinoma with implications for immunotherapy resistance. **2022**, 14, 1

- 153 BMP Signaling Pathway in Dentin Development and Diseases. **2022**, 11, 2216 1
- 152 Multipotential Role of Growth Factor Mimetic Peptides for Osteochondral Tissue Engineering. **2022**, 23, 7388 3
- 151 Krüppel-like factor 10 (KLF10) as a critical signaling mediator: Versatile functions in physiological and pathophysiological processes. **2022**,
- 150 New insights into the regulation of TGF- $\beta$ /Smad and MPK signaling pathway gene expressions by nasal allergen and methacholine challenge test in asthma. **2022**, 12,
- 149 Interleukin-37, vascular endothelial growth factor A, and transforming growth factor- $\beta$ : promising biomarkers in primary immune thrombocytopenia. 1-12
- 148 Enhanced Type I Collagen Synthesis in Fibroblasts by Dermal Stem/Progenitor Cell-Derived Exosomes. **2022**, 45, 872-880 0
- 147 Igf2bp2 knockdown improves CCL4-induced liver fibrosis and TGF- $\beta$ -activated mouse hepatic stellate cells by regulating Tgfr1. **2022**, 110, 108987 1
- 146 Prevention of bleomycin-induced pulmonary fibrosis by a RANKL peptide in mice. **2022**, 12, 3
- 145 Dysregulation of Liver Regeneration by Hepatitis B Virus Infection: Impact on Development of Hepatocellular Carcinoma. **2022**, 14, 3566
- 144 Type I collagen decorated nanoporous network on titanium implant surface promotes osseointegration through mediating immunomodulation, angiogenesis, and osteogenesis. **2022**, 121684 3
- 143 Acceleration of Smad2 and Smad3 Phosphorylation via c-Jun NH2-Terminal Kinase during Human Colorectal Carcinogenesis. **2005**, 65, 157-165 22
- 142 Mesenchymal stem cells in fibrotic diseases—The two sides of the same coin. 0
- 141 RGS6 suppresses TGF- $\beta$ -induced epithelial-mesenchymal transition in non-small cell lung cancers via a novel mechanism dependent on its interaction with SMAD4. **2022**, 13, 1
- 140 TGF- $\beta$  Superfamily Signaling in the Eye: Implications for Ocular Pathologies. **2022**, 11, 2336 0
- 139 Targeted therapeutics and novel signaling pathways in non-alcohol-associated fatty liver/steatohepatitis (NAFL/NASH). **2022**, 7, 4
- 138 Unraveling the effect of intra- and intercellular processes on acetaminophen-induced liver injury. **2022**, 8, 0
- 137 Activation of AcvR1-Mediated Signaling Results in Semilunar Valve Defects. **2022**, 9, 272
- 136 Therapeutic ultrasound ameliorates pulmonary fibrosis through inhibiting TGF- $\beta$ /SMAD-mediated epithelial mesenchymal transition.

- 135 The expression and phosphorylation of SMAD3 protein in microglia and astrocytes of the rat hippocampus after transient global cerebral ischemia. **2022**, 102146
- 134 METTL3 promotes prostatic hyperplasia by regulating PTEN expression in an m6A-YTHDF2-dependent manner. **2022**, 13, 1
- 133 Large-scale prediction of key dynamic interacting proteins in multiple cancers. **2022**,
- 132 Association of TGFB1 rs1800469 and BCMO1 rs6564851 with coronary heart disease and IL1B rs16944 with all-cause mortality in men from the Northern Ireland PRIME study. **2022**, 17, e0273333 0
- 131 Emerging role of tumor suppressor p53 in acute and chronic kidney diseases. **2022**, 79, 1
- 130 Therapeutic Potential of the Combination of Pentoxifylline and Vitamin-E in Inflammatory Bowel Disease: Inhibition of Intestinal Fibrosis. **2022**, 11, 4713 1
- 129 The modulatory effect of sodium molybdate against cisplatin-induced CKD: Role of TGF- $\beta$ /Smad signaling pathway. **2022**, 306, 120845
- 128 Hypermethylated PODN represses the progression of osteosarcoma by inactivating the TGF- $\beta$ /Smad2/3 pathway. **2022**, 238, 154075 0
- 127 The application of proteomics and metabolomics to reveal the molecular mechanism of Nutmeg-5 in ameliorating cardiac fibrosis following myocardial infarction. **2022**, 105, 154382 0
- 126 Single-cell analysis reveals that cancer-associated fibroblasts stimulate oral squamous cell carcinoma invasion via the TGF- $\beta$ /Smad pathway. **2022**, 0
- 125 Synergistic anti-inflammatory effect of gut microbiota and lithocholic acid on liver fibrosis. 0
- 124 Aberrant transcription factors in the cancers of the pancreas. **2022**, 86, 28-45 0
- 123 Molecular Signature of Stem Cells Undergoing Cardiomyogenic Differentiation. **2022**, 1-43 0
- 122 Arecae pericarpium water extract alleviates chronic pancreatitis by deactivating pancreatic stellate cells. 13, 0
- 121 BMS-202, a PD-1/PD-L1 inhibitor, decelerates the pro-fibrotic effects of fibroblasts derived from scar tissues via ERK and TGF $\beta$ /Smad signaling pathways. **2022**, 10, 0
- 120 Fibroblast GSK-3 $\beta$ Promotes Fibrosis via RAF-MEK-ERK Pathway in the Injured Heart. **2022**, 131, 620-636 1
- 119 TIPE1 promotes liver regeneration by enhancing ROS-FoxO1 axis mediated autophagy. 0
- 118 Upregulation of dual-specificity phosphatase-26 is required for transforming growth factor  $\beta$ (TGF $\beta$ )-induced Epithelial-mesenchymal transition in A549 and PANC1 cells. 0



117	Lithium Treatment Improves Cardiac Dysfunction in Rats Deprived of Rapid Eye Movement Sleep. <b>2022</b> , 23, 11226	0
116	Genetic Disruption of Guanylyl Cyclase/Natriuretic Peptide Receptor-A Triggers Differential Cardiac Fibrosis and Disorders in Male and Female Mutant Mice: Role of TGF- $\beta$ /SMAD Signaling Pathway. <b>2022</b> , 23, 11487	0
115	TGF- $\beta$ at the crossroads of multiple prognosis in breast cancer, and beyond. <b>2022</b> , 121011	0
114	Molecular pathogenesis and treatment of cavernous nerve injury-induced erectile dysfunction: A narrative review. 13,	0
113	Aronia melanocarpa polysaccharide ameliorates liver fibrosis through TGF- $\beta$ -mediated the activation of PI3K/AKT pathway and modulating gut microbiota. <b>2022</b> ,	0
112	Transforming growth factor- $\beta$ in tumour development. 9,	1
111	CD8 + T cell exhaustion in anti-tumor immunity: the new insights for cancer immunotherapy.	1
110	A systems biology investigation of curcumin potency against TGF- $\beta$ -induced EMT signaling in lung cancer. <b>2022</b> , 12,	0
109	P311 promotes type II transforming growth factor- $\beta$ receptor mediated fibroblast activation and granulation tissue formation in wound healing. <b>2022</b> , 10,	0
108	Jatrorrhizine reduces myocardial infarction-induced apoptosis and fibrosis through inhibiting p53 and TGF- $\beta$ /Smad2/3 pathways in mice. <b>2022</b> , 37,	0
107	Major pathways involved in macrophage polarization in cancer. 13,	2
106	BMP4/SMAD8 Signaling Pathway Regulated Granular Cell Proliferation to Promote Follicle Development in Wanxi White Goose. <b>2022</b> , 102282	0
105	The function and decline of the female reproductive tract at single-cell resolution.	0
104	Endophilin A2 protects against renal fibrosis by targeting TGF- $\beta$ /Smad signaling. <b>2022</b> , 36,	0
103	Small Extracellular Vesicles from Hypoxic Triple-Negative Breast Cancer Cells Induce Oxygen-Dependent Cell Invasion. <b>2022</b> , 23, 12646	0
102	Opposing functions of circadian protein DBP and atypical E2F family E2F8 in anti-tumor Th9 cell differentiation. <b>2022</b> , 13,	0
101	Deletion of Smad7 Ameliorates Intestinal Inflammation and Contributes to Fibrosis.	0
100	Mechanisms of Epithelial-Mesenchymal Transition and Prevention of Dispase-Induced PVR by Delivery of an Antioxidant B Crystallin Peptide. <b>2022</b> , 11, 2080	1

99	Extracellular vesicles as advanced therapeutics for the resolution of organ fibrosis: Current progress and future perspectives. 13,	0
98	Importance of TGF $\beta$ in Cancer and Nematode Infection and Their Interaction. <b>Opinion. 2022, 12, 1572</b>	1
97	Transcriptional plasticity of fibroblasts in heart disease. <b>2022, 50, 1247-1255</b>	0
96	Nontoxic Concentration of Ochratoxin A Aggravates Renal Fibrosis Induced by Adriamycin/Cyclosporine A Nephropathy via TGF- $\beta$ /SMAD2/3. <b>2022, 70, 14005-14014</b>	1
95	Plant polysaccharides with anti-lung injury effects as a potential therapeutic strategy for COVID-19. 13,	0
94	Identification of Molecular Markers Related to Immune Infiltration in Patients with Severe Asthma: A Comprehensive Bioinformatics Analysis Based on the Human Bronchial Epithelial Transcriptome. <b>2022, 2022, 1-20</b>	0
93	Biodegradable hydrogels with photodynamic antibacterial activity promote wound healing and mitigate scar formation.	1
92	Molecular Signature of Stem Cells Undergoing Cardiomyogenic Differentiation. <b>2022, 725-767</b>	0
91	20-Hydroxytetraenoic acid induces hepatic fibrosis via the TGF- $\beta$ /Smad3 signaling pathway. <b>2023, 373, 1-12</b>	0
90	Down-regulation of hepatic expression of GHR/STAT5/IGF-1 signaling pathway fosters development and aggressiveness of HCV-related hepatocellular carcinoma: Crosstalk with Snail-1 and type 2 transforming growth factor-beta receptor. <b>2022, 17, e0277266</b>	0
89	An engineered (CAGA) <sup>12</sup> -EGFP cell-based biosensor for high-content and accurate detection of active TGF- $\beta$ <b>2022, 114884</b>	0
88	Aging aggravates acetaminophen-induced acute liver injury and inflammation through inordinate C/EBP $\beta$ -BMP9 crosstalk.	0
87	Hypoxic Stress Promotes Human Hypothalamic Hamartomas Pathogenesis through Regulating the TGF $\beta$ -Mediated Slit2 and the Semaphorin Signaling Cascades in Hypothalamic Neuronal Progenitor Cells.	0
86	The Novel AT2 Receptor Agonist [Pro7-AngIII Exerts Cardiac and Renal Anti-Fibrotic and Anti-Inflammatory Effects in High Salt-Fed Mice. <b>2022, 23, 14039</b>	0
85	Tumor-Induced T Cell Polarization by Schwann Cells. <b>2022, 11, 3541</b>	1
84	Ferroptosis contribute to hepatic stellate cell activation and liver fibrogenesis. <b>2022, 193, 620-637</b>	0
83	Pharmacological inhibition of HDAC6 improves muscle phenotypes in dystrophin-deficient mice by downregulating TGF- $\beta$ via Smad3 acetylation. <b>2022, 13,</b>	0
82	Tannic Acid, A Hydrolysable Tannin, Prevents Transforming Growth Factor- $\beta$ -Induced Epithelial-Mesenchymal Transition to Counteract Colorectal Tumor Growth. <b>2022, 11, 3645</b>	0

81	Role of pericytes in the development of cerebral cavernous malformations. <b>2022</b> , 105642	0
80	Study Progress on TGF- $\beta$ Promoting the Development of Pancreatic Cancer. <b>2022</b> , 12, 11405-11411	0
79	Unveiling the transcriptomic landscape and the potential antagonist feedback mechanisms of TGF- $\beta$ superfamily signaling module in bone and osteoporosis. <b>2022</b> , 20,	0
78	MicroRNA cerebrospinal fluid profile during the early brain injury period as a biomarker in subarachnoid hemorrhage patients. 16,	0
77	SMAD6-deficiency in human genetic disorders. <b>2022</b> , 7,	0
76	TGF- $\beta$ Inhibitors for Therapeutic Management of Kidney Fibrosis. <b>2022</b> , 15, 1485	2
75	LncRNA CCAT2, involving miR-34a/TGF- $\beta$ /Smad4 signaling, regulate hepatic stellate cells proliferation. <b>2022</b> , 12,	1
74	Miglustat, a glucosylceramide synthase inhibitor, mitigates liver fibrosis through TGF- $\beta$ /Smad pathway suppression in hepatic stellate cells. <b>2022</b> ,	0
73	Efficacy of flavanone as a treatment for pulmonary fibrosis. <b>2022</b> , 65, 357-365	0
72	TGF- $\beta$ A novel predictor and target for anti-PD-1/PD-L1 therapy. 13,	1
71	Activin A rescues preterm brain injury through a novel Noggin/BMP4/Id2 signaling pathway. <b>2022</b> , 51,	0
70	Targeting TGF- $\beta$ /miR-21 pathway in keratinocytes reveals protective effects of silymarin on imiquimod-induced psoriasis mouse model. <b>2022</b> , 100175	0
69	3D collagen migration patterns reveal a SMAD3-dependent and TGF- $\beta$ -independent mechanism of recruitment for tumour-associated fibroblasts in lung adenocarcinoma.	0
68	Glucosidase inhibitor, Nimbidiol ameliorates renal fibrosis and dysfunction in type-1 diabetes. <b>2022</b> , 12,	1
67	Re-evaluation of the myoepithelial cells roles in the breast cancer progression. <b>2022</b> , 22,	0
66	TGF- $\beta$ suppresses the T-cell response in teleost fish by initiating Smad3- and Foxp3-mediated transcriptional networks. <b>2022</b> , 102843	0
65	The Molecular Mechanisms and Function of miR-15a/16 Dysregulation in Fibrotic Diseases. <b>2022</b> , 23, 16041	0
64	Inflammatory chemokine ( C-C motif) ligand 8 inhibition ameliorates peritoneal fibrosis. <b>2023</b> , 37,	1

- 63 Salidroside ameliorates pathological cardiac hypertrophy via TLR4-TAK1 -dependent signaling. ○
- 62 Research Progress of miR-21 in Non-Alcoholic Fatty Liver Disease. **2022**, 12, 11611-11617 ○
- 61 Transcriptional Regulation of Siglec-15 by ETS-1 and ETS-2 in Hepatocellular Carcinoma Cells. **2023**, 24, 792 ○
- 60 Molecular Mechanisms in Genetic Aortopathy Signaling Pathways and Potential Interventions. **2023**, 24, 1795 ○
- 59 Non-coding RNAs regulate the BMP/Smad pathway during osteogenic differentiation of stem cells. **2023**, 125, 151998 ○
- 58 CDK8/19 inhibition plays an important role in pancreatic  $\beta$  cell induction from human iPSCs. **2023**, 14, ○
- 57 Identification of BMP10 as a Novel Gene Contributing to Dilated Cardiomyopathy. **2023**, 13, 242 ○
- 56 Phenotype Switching and the Melanoma Microenvironment; Impact on Immunotherapy and Drug Resistance. **2023**, 24, 1601 ○
- 55 The role of TGF-beta3 in cartilage development and osteoarthritis. **2023**, 11, ○
- 54 Gastrodin attenuates renal injury and collagen deposition via suppression of the TGF- $\beta$ /Smad2/3 signaling pathway based on network pharmacology analysis. 14, ○
- 53 TGF- $\beta$  antisense oligonucleotide enhances T-cell mediated anti-tumor activities by IL-2 via attenuation of fibrotic reaction in a humanized mouse model of pancreatic ductal adenocarcinoma. **2023**, 159, 114212 ○
- 52 CTLs Get SMAD When Pathogens Tell Them Where to Go. **2022**, 209, 1025-1032 ○
- 51 Targeting Inflammation to Control Tissue Fibrosis. 6 ○
- 50 *Periplaneta americana* (Insecta: Blattodea) and organ fibrosis: A mini review. **2022**, 101, e32039 ○
- 49 Cancer-Associated Fibroblast Heterogeneity, Activation and Function: Implications for Prostate Cancer. **2023**, 13, 67 1
- 48 Mouse endothelial OTUD1 promotes angiotensin II -induced vascular remodeling by deubiquitinating SMAD3. 1
- 47 IRAK-M Regulates Proliferative and Invasive Phenotypes of Lung Fibroblasts. ○
- 46 Amelioration of Lung Fibrosis by Total Flavonoids of *Astragalus* via Inflammatory Modulation and Epithelium Regeneration. 1-17 ○

- 45 Prevention of Bleomycin-Induced Pulmonary Inflammation and Fibrosis in Mice by Bilobalide. **2023**, 2023, 1-11 ○
- 44 Scaffolds containing GAG -mimetic cellulose sulfate promote TGF- $\beta$  interaction and MSC Chondrogenesis over native GAGs. ○
- 43 Aging aggravates acetaminophen-induced acute liver injury and inflammation through inordinate C/EBP $\beta$ -BMP9 crosstalk. **2023**, 13, ○
- 42 Kinase Degradation, Activators, and Inhibitors: Highlights and Synthesis Routes to the Chemical Probes on opnMe.com, Part 1. ○
- 41 Synthesis and biological evaluation of N-(3-fluorobenzyl)-4-(1-(methyl-d3)-1H-indazol-5-yl)-5-(6-methylpyridin-2-yl)-1H-imidazol-2-amine as a novel, potent ALK5 receptor inhibitor. **2023**, 85, 129205 ○
- 40 The role of transforming growth factor- $\beta$  in cigarette smoke-induced lung inflammation and injury. **2023**, 320, 121539 ○
- 39 TGF- $\beta$  signaling pathway: Therapeutic targeting and potential for anti-cancer immunity. **2023**, 947, 175678 ○
- 38 The role of the NDRG1 in the pathogenesis and treatment of breast cancer. **2023**, 1878, 188871 ○
- 37 Molecular mechanisms of endothelial remodeling under doxorubicin treatment. **2023**, 162, 114576 ○
- 36 Gramine protects against pressure overload-induced pathological cardiac hypertrophy through Runx1-TGFBR1 signaling. **2023**, 114, 154779 ○
- 35 A polysaccharide from Codonopsis pilosula roots attenuates carbon tetrachloride-induced liver fibrosis via modulation of TLR4/NF- $\kappa$ B and TGF- $\beta$ /Smad3 signaling pathway. **2023**, 119, 110180 ○
- 34 The Function and Therapeutic Potential of lncRNAs in Cardiac Fibrosis. **2023**, 12, 154 ○
- 33 Low dose TGF- $\beta$  can improve vohwinkel syndrome by promoting the proliferation of keratinocytes. **2023**, 125, 152010 ○
- 32 MIR503HG: A potential diagnostic and therapeutic target in human diseases. **2023**, 160, 114314 ○
- 31 Exosomal hsa-let-7g-3p and hsa-miR-10395-3p derived from peritoneal lavage predict peritoneal metastasis and the efficacy of neoadjuvant intraperitoneal and systemic chemotherapy in patients with gastric cancer. **2023**, 26, 364-378 ○
- 30 Loss of function SMAD4 nonstop mutations in human cancer. ○
- 29 Inducible TgfbR1 and Pten deletion in a novel model of tongue carcinogenesis and chemoprevention. ○
- 28 TGF- $\beta$  Regulation of T Cells. **2023**, 41, ○

- 27 Natural Killer Cell Derived Microvesicles Affect the Function of Trophoblast Cells. **2023**, 13, 213 ○
- 26 Dysregulated autophagy: A key player in the pathophysiology of type 2 diabetes and its complications. **2023**, 1869, 166666 ○
- 25 The long noncoding RNA THBS1-AS1 promotes cardiac fibroblast activation in cardiac fibrosis by regulating TGFBR1. **2023**, 8, ○
- 24 Supercritical carbon dioxide-decellularized arteries exhibit physiologic-like vessel regeneration following xenotransplantation in rats. **2023**, 11, 2566-2580 1
- 23 Recent advances and applications of CRISPR-Cas9 in cancer immunotherapy. **2023**, 22, ○
- 22 Novel Molecular Mechanisms Involved in the Medical Treatment of Pulmonary Arterial Hypertension. **2023**, 24, 4147 ○
- 21 A Wrong Fate Decision in Adipose Stem Cells upon Obesity. **2023**, 12, 662 ○
- 20 T-cell exhaustion and stemness in antitumor immunity: Characteristics, mechanisms, and implications. 14, ○
- 19 Insights into bone morphogenetic proteins in cardiovascular diseases. 14, ○
- 18 TGF- $\beta$ s elevated in hyperuricemic individuals and mediates urate-induced hyperinflammatory phenotype in human mononuclear cells. **2023**, 25, ○
- 17 Cancer Pathways. **2023**, 121-151 ○
- 16 Approved Protein Therapeutics and Their Biochemical Targets. **2023**, 199-232 ○
- 15 Melatonin influences the biological characteristics of keloid fibroblasts through the Erk and Smad signalling pathways. **2023**, 11, ○
- 14 Rebalancing SMAD7/SMAD3 Signaling Reduces Adhesion Formation during Flexor Tendon Healing. **2023**, 33, 339-347 ○
- 13 Network motifs and hypermotifs in TGF $\beta$ Induced epithelial to mesenchymal transition and metastasis. 3, ○
- 12 Therapeutic potency of compound RMY-205 for pulmonary fibrosis induced by SARS-CoV-2 nucleocapsid protein. **2023**, 30, 261-277.e8 ○
- 11 Extracellular matrix stiffness—the central cue for skin fibrosis. 10, ○
- 10 TGF- $\beta$  signalling in Alzheimer $\beta$  pathology and cytoskeletal reorganization: a specialized Tau perspective. **2023**, 20, ○

- 9 Linc-ROR Promotes EMT by Targeting miR-204-5p/SMAD4 in Endometriosis. ○
- 8 Tonic repression of collagen I by the bradykinin receptor 2 in skin fibroblasts. **2023**, 118, 110-128 ○
- 7 Chronic Exposure to TDI Induces Cell Migration and Invasion via TGF- $\beta$  Signal Transduction. **2023**, 24, 6157 ○
- 6 Identification of Genetic Markers Linked to The Activity of Indoleamine 2,3-Dioxygenase and Kidney Function. **2023**, 13, 541 ○
- 5 BMP-4 and BMP-7 Inhibit EMT in a Model of Anterior Subcapsular Cataract in Part by Regulating the Notch Signaling Pathway. **2023**, 64, 12 ○
- 4 Myo-Inositol Reverses TGF- $\beta$ -Induced EMT in MCF-10A Non-Tumorigenic Breast Cells. **2023**, 15, 2317 ○
- 3 Circular RNAs as the pivotal regulators of epithelial-mesenchymal transition in gastrointestinal tumor cells. **2023**, 245, 154472 ○
- 2 Salvianolic Acid A Improves Rat Kidney Injury by Regulating MAPKs and TGF- $\beta$ /Smads Signaling Pathways. **2023**, 28, 3630 ○
- 1 Mannose-binding lectin suppresses macrophage proliferation through TGF- $\beta$  signaling pathway in Nile tilapia. 14, ○