Aristidis Moustakas

List of Publications by Citations

113 papers	11,989 citations	50 h-index	109 g-index
121 ext. papers	13,447 ext. citations	7.4 avg, IF	6.78 L-index

#	Paper	IF	Citations
113	Non-Smad TGF-beta signals. *Journal of Cell Science*, **2005**, 118, 3573-84	5.3	892
112	Smad regulation in TGF-β signal transduction. *Journal of Cell Science*, **2001**, 114, 4359-4369	5.3	685
111	Signaling networks guiding epithelial-mesenchymal transitions during embryogenesis and cancer progression. *Cancer Science*, **2007**, 98, 1512-20	6.9	632
110	The regulation of TGFbeta signal transduction. *Development (Cambridge)*, **2009**, 136, 3699-714	6.6	621
109	Mechanism of TGF-beta signaling to growth arrest, apoptosis, and epithelial-mesenchymal transition. *Current Opinion in Cell Biology*, **2009**, 21, 166-76	9	515
108	A SNAIL1-SMAD3/4 transcriptional repressor complex promotes TGF-beta mediated epithelial-mesenchymal transition. *Nature Cell Biology*, **2009**, 11, 943-50	23.4	490
107	TGF-beta and the Smad signaling pathway support transcriptomic reprogramming during epithelial-mesenchymal cell transition. *Molecular Biology of the Cell*, **2005**, 16, 1987-2002	3.5	460
106	Mechanisms of TGF-beta signaling in regulation of cell growth and differentiation. *Immunology Letters*, **2002**, 82, 85-91	4.1	415
105	MEG3 long noncoding RNA regulates the TGF-β pathway genes through formation of RNA-DNA triplex structures. *Nature Communications*, **2015**, 6, 7743	17.4	414
104	Transforming growth factor-beta employs HMGA2 to elicit epithelial-mesenchymal transition. *Journal of Cell Biology*, **2006**, 174, 175-83	7.3	390
103	Regulation of EMT by TGFβ in cancer. *FEBS Letters*, **2012**, 586, 1959-70	3.8	361
102	Role of Smad proteins and transcription factor Sp1 in p21(Waf1/Cip1) regulation by transforming growth factor-beta. *Journal of Biological Chemistry*, **2000**, 275, 29244-56	5.4	312
101	Id2 and Id3 define the potency of cell proliferation and differentiation responses to transforming growth factor beta and bone morphogenetic protein. *Molecular and Cellular Biology*, **2004**, 24, 4241-54	4.8	288
100	Signaling Receptors for TGF-β Family Members. *Cold Spring Harbor Perspectives in Biology*, **2016**, 8,	10.2	287
99	HMGA2 and Smads co-regulate SNAIL1 expression during induction of epithelial-to-mesenchymal transition. *Journal of Biological Chemistry*, **2008**, 283, 33437-46	5.4	270
98	Actions of TGF-beta as tumor suppressor and pro-metastatic factor in human cancer. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2007**, 1775, 21-62	11.2	264
97	Role of Smads in TGFβ signaling. *Cell and Tissue Research*, **2012**, 347, 21-36	4.2	246

96	c-Jun transactivates the promoter of the human p21(WAF1/Cip1) gene by acting as a superactivator of the ubiquitous transcription factor Sp1. *Journal of Biological Chemistry*, **1999**, 274, 29572-81	5.4	167
95	Transforming growth factor-beta induces nuclear import of Smad3 in an importin-beta1 and Ran-dependent manner. *Molecular Biology of the Cell*, **2001**, 12, 1079-91	3.5	151
94	Mechanisms of TGF□nduced Epithelial-Mesenchymal Transition. *Journal of Clinical Medicine*, **2016**, 5,	5.1	150
93	Degradation of the tumor suppressor Smad4 by WW and HECT domain ubiquitin ligases. *Journal of Biological Chemistry*, **2005**, 280, 22115-23	5.4	149
92	Regulating the stability of TGFbeta receptors and Smads. *Cell Research*, **2009**, 19, 21-35	24.7	144
91	LIM-kinase 2 and cofilin phosphorylation mediate actin cytoskeleton reorganization induced by transforming growth factor-beta. *Journal of Biological Chemistry*, **2005**, 280, 11448-57	5.4	141
90	TGF-□and the Tissue Microenvironment: Relevance in Fibrosis and Cancer. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	135
89	Transforming growth factor □as regulator of cancer stemness and metastasis. *British Journal of Cancer*, **2016**, 115, 761-9	8.7	134
88	Nuclear factor YY1 inhibits transforming growth factor beta- and bone morphogenetic protein-induced cell differentiation. *Molecular and Cellular Biology*, **2003**, 23, 4494-510	4.8	130
87	Notch signaling is necessary for epithelial growth arrest by TGF-beta. *Journal of Cell Biology*, **2007**, 176, 695-707	7.3	113
86	Induction of epithelial-mesenchymal transition by transforming growth factor □*Seminars in Cancer Biology*, **2012**, 22, 446-54	12.7	106
85	Emergence, development and diversification of the TGF-beta signalling pathway within the animal kingdom. *BMC Evolutionary Biology*, **2009**, 9, 28	3	106
84	Hyaluronan fragments induce endothelial cell differentiation in a CD44- and CXCL1/GRO1-dependent manner. *Journal of Biological Chemistry*, **2005**, 280, 24195-204	5.4	105
83	Estrogen receptor alpha mediates epithelial to mesenchymal transition, expression of specific matrix effectors and functional properties of breast cancer cells. *Matrix Biology*, **2015**, 43, 42-60	11.4	104
82	Functions of transforming growth factor-beta family type I receptors and Smad proteins in the hypertrophic maturation and osteoblastic differentiation of chondrocytes. *Journal of Biological Chemistry*, **2002**, 277, 33545-58	5.4	103
81	TGF-□ignaling. *Biomolecules*, **2020**, 10,	5.9	101
80	TGF□and matrix-regulated epithelial to mesenchymal transition. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 2621-34	4	101
79	PARP-1 attenuates Smad-mediated transcription. *Molecular Cell*, **2010**, 40, 521-32	17.6	98

78	Smad pathway-specific transcriptional regulation of the cell cycle inhibitor p21(WAF1/Cip1). *Journal of Cellular Physiology*, **2005**, 204, 260-72	7	95
77	The soluble exoplasmic domain of the type II transforming growth factor (TGF)-beta receptor. A heterogeneously glycosylated protein with high affinity and selectivity for TGF-beta ligands. *Journal of Biological Chemistry*, **1995**, 270, 2747-54	5.4	95
76	Differential ubiquitination defines the functional status of the tumor suppressor Smad4. *Journal of Biological Chemistry*, **2003**, 278, 33571-82	5.4	87
75	Regulation of transcription factor Twist expression by the DNA architectural protein high mobility group A2 during epithelial-to-mesenchymal transition. *Journal of Biological Chemistry*, **2012**, 287, 7134-45	5.4	83
74	Control of transforming growth factor beta signal transduction by small GTPases. *FEBS Journal*, **2009**, 276, 2947-65	5.7	81
73	Functional consequences of tumorigenic missense mutations in the amino-terminal domain of Smad4. *Oncogene*, **2000**, 19, 4396-404	9.2	81
72	Dynamic control of TGF-beta signaling and its links to the cytoskeleton. *FEBS Letters*, **2008**, 582, 2051-65	3.8	78
71	The mechanism of nuclear export of Smad3 involves exportin 4 and Ran. *Molecular and Cellular Biology*, **2006**, 26, 1318-32	4.8	72
70	Epithelial-Mesenchymal Transition and Metastasis under the Control of Transforming Growth Factor *International Journal of Molecular Sciences*, **2018**, 19,	6.3	72
69	From mono- to oligo-Smads: the heart of the matter in TGF-beta signal transduction. *Genes and Development*, **2002**, 16, 1867-71	12.6	65
68	TGFbeta induces SIK to negatively regulate type I receptor kinase signaling. *Journal of Cell Biology*, **2008**, 182, 655-62	7.3	63
67	Tamoxifen Inhibits TGF- Mediated Activation of Myofibroblasts by Blocking Non-Smad Signaling Through ERK1/2. *Journal of Cellular Physiology*, **2015**, 230, 3084-92	7	54
66	Reprogramming during epithelial to mesenchymal transition under the control of TGF *Cell Adhesion and Migration*, **2015**, 9, 233-46	3.2	52
65	The high mobility group A2 protein epigenetically silences the Cdh1 gene during epithelial-to-mesenchymal transition. *Nucleic Acids Research*, **2015**, 43, 162-78	20.1	52
64	Mechanisms of action of bone morphogenetic proteins in cancer. *Cytokine and Growth Factor Reviews*, **2016**, 27, 81-92	17.9	52
63	TGF- Family Signaling in Epithelial Differentiation and Epithelial-Mesenchymal Transition. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	47
62	The notch and TGF- signaling pathways contribute to the aggressiveness of clear cell renal cell carcinoma. *PLoS ONE*, **2011**, 6, e23057	3.7	47
61	The rationale for targeting TGF- in chronic liver diseases. *European Journal of Clinical Investigation*, **2016**, 46, 349-61	4.6	46

60	Mechanism of a transcriptional cross talk between transforming growth factor-beta-regulated Smad3 and Smad4 proteins and orphan nuclear receptor hepatocyte nuclear factor-4. *Molecular Biology of the Cell*, **2003**, 14, 1279-94	3.5	44
59	Negative regulation of TGF signaling by the kinase LKB1 and the scaffolding protein LIP1. *Journal of Biological Chemistry*, **2011**, 286, 341-53	5.4	39
58	Serglycin promotes breast cancer cell aggressiveness: Induction of epithelial to mesenchymal transition, proteolytic activity and IL-8 signaling. *Matrix Biology*, **2018**, 74, 35-51	11.4	38
57	Cloning of a novel signaling molecule, AMSH-2, that potentiates transforming growth factor beta signaling. *BMC Cell Biology*, **2004**, 5, 2		34
56	p53 regulates epithelial-mesenchymal transition induced by transforming growth factor *Journal of Cellular Physiology*, **2013**, 228, 801-13	7	33
55	Snail regulates BMP and TGF pathways to control the differentiation status of glioma-initiating cells. *Oncogene*, **2018**, 37, 2515-2531	9.2	32
54	Mechanistic Insights into Autoinhibition of the Oncogenic Chromatin Remodeler ALC1. *Molecular Cell*, **2017**, 68, 847-859.e7	17.6	32
53	Regulation of myosin light chain function by BMP signaling controls actin cytoskeleton remodeling. *Cellular Physiology and Biochemistry*, **2011**, 28, 1031-44	3.9	31
52	Transforming growth factor and bone morphogenetic protein actions in brain tumors. *FEBS Letters*, **2015**, 589, 1588-97	3.8	29
51	Ras and TGF- signaling enhance cancer progression by promoting the Np63 transcriptional program. *Science Signaling*, **2016**, 9, ra84	8.8	28
50	In vitro and ex vivo vanadium antitumor activity in (TGF-)-induced EMT. Synergistic activity with carboplatin and correlation with tumor metastasis in cancer patients. *International Journal of Biochemistry and Cell Biology*, **2016**, 74, 121-34	5.6	28
49	Has2 natural antisense RNA and Hmga2 promote Has2 expression during TGF -induced EMT in breast cancer. *Matrix Biology*, **2019**, 80, 29-45	11.4	27
48	Transforming growth factor beta promotes complexes between Smad proteins and the CCCTC-binding factor on the H19 imprinting control region chromatin. *Journal of Biological Chemistry*, **2010**, 285, 19727-37	5.4	25
47	Functional role of Meox2 during the epithelial cytostatic response to TGF-beta. *Molecular Oncology*, **2007**, 1, 55-71	7.9	25
46	Genome-wide binding of transcription factor ZEB1 in triple-negative breast cancer cells. *Journal of Cellular Physiology*, **2018**, 233, 7113-7127	7	25
45	Snail mediates crosstalk between TGF and LXR in hepatocellular carcinoma. *Cell Death and Differentiation*, **2018**, 25, 885-903	12.7	24
44	Transcriptional induction of salt-inducible kinase 1 by transforming growth factor leads to negative regulation of type I receptor signaling in cooperation with the Smurf2 ubiquitin ligase. *Journal of Biological Chemistry*, **2012**, 287, 12867-78	5.4	24
43	TGFbeta activates mitogen- and stress-activated protein kinase-1 (MSK1) to attenuate cell death. *Journal of Biological Chemistry*, **2011**, 286, 5003-11	5.4	22

42	Genomewide binding of transcription factor Snail1 in triple-negative breast cancer cells. *Molecular Oncology*, **2018**, 12, 1153-1174	7.9	20
41	TGF□nduced early activation of the small GTPase RhoA is Smad2/3-independent and involves Src and the guanine nucleotide exchange factor Vav2. *Cellular Physiology and Biochemistry*, **2011**, 28, 229-38	3.9	20
40	TGF□and EGF signaling orchestrates the AP-1- and p63 transcriptional regulation of breast cancer invasiveness. *Oncogene*, **2020**, 39, 4436-4449	9.2	18
39	Systemic and specific effects of antihypertensive and lipid-lowering medication on plasma protein biomarkers for cardiovascular diseases. *Scientific Reports*, **2018**, 8, 5531	4.9	18
38	Analysis of Epithelial-Mesenchymal Transition Induced by Transforming Growth Factor □*Methods in Molecular Biology*, **2016**, 1344, 147-81	1.4	18
37	Context-dependent action of transforming growth factor □family members on normal and cancer stem cells. *Current Pharmaceutical Design*, **2012**, 18, 4072-86	3.3	18
36	TGF-beta targets PAX3 to control melanocyte differentiation. *Developmental Cell*, **2008**, 15, 797-9	10.2	17
35	Somatic Ephrin Receptor Mutations Are Associated with Metastasis in Primary Colorectal Cancer. *Cancer Research*, **2017**, 77, 1730-1740	10.1	16
34	LXR□imits TGF□dependent hepatocellular carcinoma associated fibroblast differentiation. *Oncogenesis*, **2019**, 8, 36	6.6	16
33	The TGFB2-AS1 lncRNA Regulates TGF-□Signaling by Modulating Corepressor Activity. *Cell Reports*, **2019**, 28, 3182-3198.e11	10.6	15
32	TANK-binding kinase 1 is a mediator of platelet-induced EMT in mammary carcinoma cells. *FASEB Journal*, **2019**, 33, 7822-7832	0.9	15
31	Fine-tuning of Smad protein function by poly(ADP-ribose) polymerases and poly(ADP-ribose) glycohydrolase during transforming growth factor □signaling. *PLoS ONE*, **2014**, 9, e103651	3.7	15
30	A new twist in Smad signaling. *Developmental Cell*, **2006**, 10, 685-6	10.2	15
29	BMP Signaling in Osteogenesis, Bone Remodeling and Repair. *European Journal of Trauma and Emergency Surgery*, **2005**, 31, 464-479		15
28	TGF-□Family Signaling in Ductal Differentiation and Branching Morphogenesis. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	14
27	Long non-coding RNAs and TGF-□signaling in cancer. *Cancer Science*, **2020**, 111, 2672-2681	6.9	11
26	Transforming growth factor □(TGF)□induces NUAK kinase expression to fine-tune its signaling output. *Journal of Biological Chemistry*, **2019**, 294, 4119-4136	5.4	10
25	The protein kinase SIK downregulates the polarity protein Par3. *Oncotarget*, **2018**, 9, 5716-5735	3.3	9

24	The protein kinase LKB1 negatively regulates bone morphogenetic protein receptor signaling. *Oncotarget*, **2016**, 7, 1120-43	3.3	9
23	Coordination of TGF-β signaling by ubiquitylation. *Molecular Cell*, **2013**, 51, 555-6	17.6	8
22	Endothelial-Tumor Cell Interaction in Brain and CNS Malignancies. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
21	Single Chain Antibodies as Tools to Study transforming growth factor-β Regulated SMAD Proteins in Proximity Ligation-Based Pharmacological Screens. *Molecular and Cellular Proteomics*, **2016**, 15, 1848-56	7.6	8
20	BMP signaling is a therapeutic target in ovarian cancer. *Cell Death Discovery*, **2020**, 6, 139	6.9	7
19	Commercially Available Preparations of Recombinant Wnt3a Contain Non-Wnt Related Activities Which May Activate TGF-β Signaling. *Journal of Cellular Biochemistry*, **2016**, 117, 938-45	4.7	7
18	Chemical regulators of epithelial plasticity reveal a nuclear receptor pathway controlling myofibroblast differentiation. *Scientific Reports*, **2016**, 6, 29868	4.9	7
17	Nucleosome regulatory dynamics in response to TGF *Nucleic Acids Research*, **2014**, 42, 6921-34	20.1	6
16	Serglycin activates pro-tumorigenic signaling and controls glioblastoma cell stemness, differentiation and invasive potential. *Matrix Biology Plus*, **2020**, 6-7, 100033	5.1	5
15	Regulation of Bone Morphogenetic Protein Signaling by ADP-ribosylation. *Journal of Biological Chemistry*, **2016**, 291, 12706-12723	5.4	5
14	JNK-Dependent cJun Phosphorylation Mitigates TGF and EGF-Induced Pre-Malignant Breast Cancer Cell Invasion by Suppressing AP-1-Mediated Transcriptional Responses. *Cells*, **2019**, 8,	7.9	4
13	Upregulated BMP-Smad signaling activity in the glucuronyl C5-epimerase knock out MEF cells. *Cellular Signalling*, **2019**, 54, 122-129	4.9	4
12	Role of TGF-β signaling in EMT, cancer progression and metastasis. *Drug Discovery Today: Disease Models*, **2011**, 8, 121-126	1.3	3
11	The mitotic checkpoint protein kinase BUB1 is an engine in the TGF-β signaling apparatus. *Science Signaling*, **2015**, 8, fs1	8.8	2
10	The noncoding MIR100HG RNA enhances the autocrine function of transforming growth factor β signaling. *Oncogene*, **2021**, 40, 3748-3765	9.2	2
9	NUAK1 and NUAK2 Fine-Tune TGF-β Signaling. *Cancers*, **2021**, 13,	6.6	2
8	Extracellular Vesicles and Transforming Growth Factor β Signaling in Cancer.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 849938	5.7	2
7	Dual inhibition of TGF-β and PD-L1: a novel approach to cancer treatment. *Molecular Oncology*, **2021**,	7.9	1

6	The polarity protein Par3 coordinates positively self-renewal and negatively invasiveness in glioblastoma. *Cell Death and Disease*, **2021**, 12, 932	9.8	1
5	The protein kinase LKB1 promotes self-renewal and blocks invasiveness in glioblastoma. *Journal of Cellular Physiology*, **2021**,	7	1
4	Glucose and Amino Acid Metabolic Dependencies Linked to Stemness and Metastasis in Different Aggressive Cancer Types. *Frontiers in Pharmacology*, **2021**, 12, 723798	5.6	1
3	BMP2-induction of FN14 promotes protumorigenic signaling in gynecologic cancer cells. *Cellular Signalling*, **2021**, 87, 110146	4.9	1
2	Epithelial Mesenchymal Transition as a Mechanism of Metastasis **2009**, 65-92		
1	Cancer-Associated Fibroblasts and the Role of TGF- **2008**, 417-441		