

Susumu Itoh

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95
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98
ext. papers

9,213
ext. citations

6.1
avg, IF

5.35
L-index

#	Paper	IF	Citations
95	Identification of Smad7, a TGFbeta-inducible antagonist of TGF-beta signalling. <i>Nature</i> , 1997 , 389, 631-5	50.4	1555
94	Balancing the activation state of the endothelium via two distinct TGF-beta type I receptors. <i>EMBO Journal</i> , 2002 , 21, 1743-53	13	847
93	Activin receptor-like kinase (ALK)1 is an antagonistic mediator of lateral TGFbeta/ALK5 signaling. <i>Molecular Cell</i> , 2003 , 12, 817-28	17.6	561
92	Identification and functional characterization of a Smad binding element (SBE) in the JunB promoter that acts as a transforming growth factor-beta, activin, and bone morphogenetic protein-inducible enhancer. <i>Journal of Biological Chemistry</i> , 1998 , 273, 21145-52	5.4	482
91	Signaling of transforming growth factor-beta family members through Smad proteins. <i>FEBS Journal</i> , 2000 , 267, 6954-67		398
90	Regulation of cell proliferation by Smad proteins. <i>Journal of Cellular Physiology</i> , 2002 , 191, 1-16	7	368
89	The L45 loop in type I receptors for TGF-beta family members is a critical determinant in specifying Smad isoform activation. <i>FEBS Letters</i> , 1998 , 434, 83-7	3.8	327
88	Hedgehog creates a gradient of DPP activity in Drosophila wing imaginal discs. <i>Molecular Cell</i> , 2000 , 5, 59-71	17.6	324
87	Negative regulation of TGF-beta receptor/Smad signal transduction. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 176-84	9	314
86	Induction of inhibitory Smad6 and Smad7 mRNA by TGF-beta family members. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 249, 505-11	3.4	306
85	Stimulation of Id1 expression by bone morphogenetic protein is sufficient and necessary for bone morphogenetic protein-induced activation of endothelial cells. <i>Circulation</i> , 2002 , 106, 2263-70	16.7	264
84	Synergy and antagonism between Notch and BMP receptor signaling pathways in endothelial cells. <i>EMBO Journal</i> , 2004 , 23, 541-51	13	208
83	Transforming growth factor beta1 induces nuclear export of inhibitory Smad7. <i>Journal of Biological Chemistry</i> , 1998 , 273, 29195-201	5.4	198
82	Elucidation of Smad requirement in transforming growth factor-beta type I receptor-induced responses. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3751-61	5.4	171
81	Gene structure of CYP3A4, an adult-specific form of cytochrome P450 in human livers, and its transcriptional control. <i>FEBS Journal</i> , 1993 , 218, 585-95		158
80	Smad7 mediates apoptosis induced by transforming growth factor beta in prostatic carcinoma cells. <i>Current Biology</i> , 2000 , 10, 535-8	6.3	141
79	The FYVE domain in Smad anchor for receptor activation (SARA) is sufficient for localization of SARA in early endosomes and regulates TGF-beta/Smad signalling. <i>Genes To Cells</i> , 2002 , 7, 321-31	2.3	126

78	Smad and AML proteins synergistically confer transforming growth factor beta1 responsiveness to human germ-line IgA genes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3552-60	5.4	125
77	TGF- β promotes PI3K-AKT signaling and prostate cancer cell migration through the TRAF6-mediated ubiquitylation of p85. <i>Science Signaling</i> , 2017 , 10,	8.8	111
76	TMEPAI, a transmembrane TGF-beta-inducible protein, sequesters Smad proteins from active participation in TGF-beta signaling. <i>Molecular Cell</i> , 2010 , 37, 123-34	17.6	111
75	Compensatory signalling induced in the yolk sac vasculature by deletion of TGFbeta receptors in mice. <i>Journal of Cell Science</i> , 2007 , 120, 4269-77	5.3	94
74	Xenopus Smad4beta is the co-Smad component of developmentally regulated transcription factor complexes responsible for induction of early mesodermal genes. <i>Developmental Biology</i> , 1999 , 214, 354-69	3.1	85
73	Functional consequences of tumorigenic missense mutations in the amino-terminal domain of Smad4. <i>Oncogene</i> , 2000 , 19, 4396-404	9.2	81
72	Active TGF- β signaling in hypoxic area. <i>Cancer Science</i> , 2015 , 106, November cover-November cover	6.9	78
71	Intracellular signaling of osteogenic protein-1 through Smad5 activation. <i>Journal of Cellular Physiology</i> , 1998 , 177, 355-63	7	67
70	Mouse cytochrome P450 (Cyp3a11): predominant expression in liver and capacity to activate aflatoxin B1. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 340, 215-8	4.1	64
69	Mouse liver cytochrome P-450 (P-450IIIAM1): its cDNA cloning and inducibility by dexamethasone. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992 , 1130, 329-32		54
68	Smad2/Smad3 in endothelium is indispensable for vascular stability via S1PR1 and N-cadherin expressions. <i>Blood</i> , 2012 , 119, 5320-8	2.2	49
67	TMEPAI/PMEPA1 enhances tumorigenic activities in lung cancer cells. <i>Cancer Science</i> , 2014 , 105, 334-41	6.9	47
66	Assignment of the human interferon regulatory factor-1 (IRF1) gene to chromosome 5q23-q31. <i>Genomics</i> , 1991 , 10, 1097-9	4.3	45
65	Smad7 and protein phosphatase 1alpha are critical determinants in the duration of TGF-beta/ALK1 signaling in endothelial cells. <i>BMC Cell Biology</i> , 2006 , 7, 16		43
64	Arf6 regulates tumour angiogenesis and growth through HGF-induced endothelial α integrin recycling. <i>Nature Communications</i> , 2015 , 6, 7925	17.4	39
63	Requirement of TCF7L2 for TGF-beta-dependent transcriptional activation of the TMEPAI gene. <i>Journal of Biological Chemistry</i> , 2010 , 285, 38023-33	5.4	39
62	Inhibition of the transcription of CYP1A1 gene by the upstream stimulatory factor 1 in rabbits. Competitive binding of USF1 with AhR.Arnt complex. <i>Journal of Biological Chemistry</i> , 1997 , 272, 30025-31	5.4	39
61	Targeted Degradation of Proteins Localized in Subcellular Compartments by Hybrid Small Molecules. <i>Molecular Pharmacology</i> , 2017 , 91, 159-166	4.3	38

60	A novel form of mouse cytochrome P450 3A (Cyp3a-16). Its cDNA cloning and expression in fetal liver. <i>FEBS Journal</i> , 1994 , 226, 877-82		38
59	Rat liver flavin-containing monooxygenase (FMO): cDNA cloning and expression in yeast. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993 , 1173, 165-71		37
58	Genomic organization of human fetal specific P-450III A7 (cytochrome P-450HFLa)-related gene(s) and interaction of transcriptional regulatory factor with its DNA element in the 5' flanking region. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992 , 1130, 133-8		36
57	C18 ORF1, a novel negative regulator of transforming growth factor- β signaling. <i>Journal of Biological Chemistry</i> , 2014 , 289, 12680-92	5.4	35
56	Flk1-GFP BAC Tg mice: an animal model for the study of blood vessel development. <i>Experimental Animals</i> , 2010 , 59, 615-22	1.8	31
55	Inhibition of endothelial cell activation by bHLH protein E2-2 and its impairment of angiogenesis. <i>Blood</i> , 2010 , 115, 4138-47	2.2	29
54	Adhesion molecules on eosinophils in acute eosinophilic pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995 , 151, 1259-62	10.2	28
53	Molecular cloning and functional expression of a mouse cytochrome P-450 (Cyp3a-13): examination of Cyp3a-13 enzyme to activate aflatoxin B1 (AFB1). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994 , 1201, 405-10	4	27
52	Methylation of Smad6 by protein arginine N-methyltransferase 1. <i>FEBS Letters</i> , 2006 , 580, 6603-11	3.8	26
51	Stable expression of cytochrome P450III A7 cDNA in human breast cancer cell line MCF-7 and its application to cytotoxicity testing. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 292, 136-40	4.1	25
50	Determination of FAD-binding domain in flavin-containing monooxygenase 1 (FMO1). <i>Archives of Biochemistry and Biophysics</i> , 1997 , 345, 271-7	4.1	23
49	Molecular cloning and characterization of a novel human STE20-like kinase, hSLK. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2000 , 1495, 250-62	4.9	23
48	Regulation of CYP1A and CYP3A mRNAs by ascorbic acid in guinea pigs. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 348, 268-77	4.1	22
47	Molecular cloning and characterization of a novel putative STE20-like kinase in guinea pigs. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 340, 201-7	4.1	21
46	Transforming growth factor- β signaling enhancement by long-term exposure to hypoxia in a tumor microenvironment composed of Lewis lung carcinoma cells. <i>Cancer Science</i> , 2015 , 106, 1524-33	6.9	20
45	Expression of aryl hydrocarbon receptor (AhR) and aryl hydrocarbon receptor nuclear translocator (Arnt) in adult rabbits known to be non-responsive to cytochrome P-450 1A1 (CYP1A1) inducers. <i>FEBS Journal</i> , 1996 , 242, 512-8		20
44	Inhibitory machinery for the TGF- β family signaling pathway. <i>Growth Factors</i> , 2011 , 29, 163-73	1.6	19
43	Molecular cloning of 25-hydroxyvitamin D-3 24-hydroxylase (Cyp-24) from mouse kidney: its inducibility by vitamin D-3. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995 , 1264, 26-8		19

42	Characterization of Ah receptor promoter in human liver cell line, HepG2. <i>Pharmacogenetics and Genomics</i> , 1994 , 4, 219-22		18
41	Poor vessel formation in embryos from knock-in mice expressing ALK5 with L45 loop mutation defective in Smad activation. <i>Laboratory Investigation</i> , 2009 , 89, 800-10	5.9	17
40	Human Ah receptor cDNA: analysis for highly conserved sequences. <i>Nucleic Acids Research</i> , 1993 , 21, 3578	20.1	17
39	Simultaneous expression of human CYP3A7 and N-acetyltransferase in Chinese hamster CHL cells results in high cytotoxicity for carcinogenic heterocyclic amines. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 320, 323-9	4.1	16
38	TMEPAI family: involvement in regulation of multiple signalling pathways. <i>Journal of Biochemistry</i> , 2018 , 164, 195-204	3.1	16
37	Upstream stimulatory factor 1 (USF1) suppresses induction of CYP1A1 mRNA by 3-methylcholanthrene (MC) in HepG2 cells. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 240, 293-7	3.4	15
36	Implication of TGF- β s as a survival factor during tumour development. <i>Journal of Biochemistry</i> , 2012 , 151, 559-62	3.1	13
35	Studies on biological activities of melanin from marine animals. V. Anti-inflammatory activity of low-molecular-weight melanoprotein from squid (Fr. SM II). <i>Chemical and Pharmaceutical Bulletin</i> , 1987 , 35, 1144-50	1.9	13
34	TMED10 Protein Interferes with Transforming Growth Factor (TGF)- β Signaling by Disrupting TGF- β Receptor Complex Formation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 4099-4112	5.4	11
33	TAL1/SCL relieves the E2-2-mediated repression of VEGFR2 promoter activity. <i>Journal of Biochemistry</i> , 2009 , 145, 129-35	3.1	11
32	Evidence for the lack of hepatic N-acetyltransferase in suncus (<i>Suncus murinus</i>). <i>Biochemical Pharmacology</i> , 1995 , 50, 1165-70	6	11
31	Dissociation of the AhR/ARNT complex by TGF- β /Smad signaling represses gene expression and inhibits benze[a]pyrene-mediated cytotoxicity. <i>Journal of Biological Chemistry</i> , 2020 , 295, 9033-9051	5.4	10
30	PDZK1-interacting protein 1 (PDZK1IP1) traps Smad4 protein and suppresses transforming growth factor- β (TGF- β) signaling. <i>Journal of Biological Chemistry</i> , 2019 , 294, 4966-4980	5.4	9
29	Gene structure of mouse Cyp3a11: evidence for an enhancer element within its 5' flanking sequences. <i>Archives of Biochemistry and Biophysics</i> , 1997 , 338, 43-9	4.1	9
28	Regulation of the TMEPAI promoter by TCF7L2: the C-terminal tail of TCF7L2 is essential to activate the TMEPAI gene. <i>Journal of Biochemistry</i> , 2016 , 159, 27-30	3.1	8
27	Decrease in the content of cytochrome P450IIE by fasting in liver microsomes of house musk shrew (<i>Suncus murinus</i>). <i>Biochemical Pharmacology</i> , 1992 , 43, 1907-10	6	8
26	Interference of E2-2-mediated effect in endothelial cells by FAM96B through its limited expression of E2-2. <i>Cancer Science</i> , 2011 , 102, 1808-14	6.9	7
25	TGF- β Signaling Cooperates with AT Motif-Binding Factor-1 for Repression of the β Fetoprotein Promoter. <i>Journal of Signal Transduction</i> , 2014 , 2014, 970346		6

24	Isolation of a promoter region in mouse cytochrome P450 3A (Cyp3A16) gene and its transcriptional control. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997 , 1350, 155-8		6
23	N-oxygenation of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine by the rat liver flavin-containing monooxygenase expressed in yeast cells. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1995 , 293, 97-100		6
22	Smad7 Enhances TGF- β -Induced Transcription of c-Jun and HDAC6 Promoting Invasion of Prostate Cancer Cells. <i>IScience</i> , 2020 , 101470	6.1	6
21	Delayed cutaneous wound healing in Fam129b/Minerva-deficient mice. <i>Journal of Biochemistry</i> , 2012 , 152, 549-55	3.1	4
20	Effect of 26,26,26,27,27,27-Hexafluoro-1,25-dihydroxyvitamin D3 on the expression of vitamin-D-responsive genes in vitamin-D-deficient mice. <i>Pharmacology</i> , 1998 , 57, 286-94	2.3	4
19	Inhibitory effect of tuna peptide on endothelin production in cultured endothelial cells. <i>Biological and Pharmaceutical Bulletin</i> , 1994 , 17, 886-8	2.3	4
18	cDNA cloning of mouse ferredoxin reductase from kidney. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995 , 1264, 159-62		3
17	Signal transduction mechanisms for members of the TGF- β family 2001 , 11-40		3
16	Ligand-dependent selection of the receptor gene: segregation of IL-2 binding activity and anti-Tac reactivity by a single amino acid alteration in the Tac antigen (p55). <i>Immunology Letters</i> , 1989 , 20, 139-47 ^{4.1}		2
15	Involvement of miR-3180-3p and miR-4632-5p in palmitic acid-induced insulin resistance. <i>Molecular and Cellular Endocrinology</i> , 2021 , 534, 111371	4.4	2
14	Simultaneous expression of ferredoxin, ferredoxin reductase and P450 in COS7 cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997 , 1318, 284-90	4.6	1
13	Studies on thermophile products. IX. Isofatty acid-containing phosphatidylglycerol that enhances the induction of concanavalin A-activated suppressor T cells. <i>Biological and Pharmaceutical Bulletin</i> , 1994 , 17, 1171-5	2.3	1
12	Endothelial-specific depletion of TGF- β signaling affects lymphatic function. <i>Inflammation and Regeneration</i> , 2021 , 41, 35	10.9	1
11	Narciclasine is a novel YAP inhibitor that disturbs interaction between YAP and TEAD4. <i>BBA Advances</i> , 2021 , 1, 100008		0
10	Opposite effects of isoniazid and fasting on the expression of CYP2E1 protein and mRNA in house musk shrew (<i>Suncus murinus</i>). <i>IUBMB Life</i> , 1997 , 41, 293-301	4.7	
9	Molecular cloning and regulation of a novel guinea pig cytochrome P450 (CYP3A20) which differs from guinea pig CYP3A14 in only two amino acid residues. <i>IUBMB Life</i> , 1998 , 44, 1245-53	4.7	
8	Studies on thermophile products. X. Further biological properties of isofatty acid-containing phosphatidylglycerol that enhances the induction of suppressor T cells. <i>Biological and Pharmaceutical Bulletin</i> , 1994 , 17, 1446-50	2.3	
7	Studies on thermophile products. VII. Effect of 1,3-di-14-methylpentadecanoyl glycerol and its related isofatty acids on T cell proliferation in vitro. <i>Biological and Pharmaceutical Bulletin</i> , 1994 , 17, 850 ^{2.3}		

- 6 Studies on thermophile products. VIII. Isolation of *Bacillus stearothermophilus* UBT8038, a component that inhibits antigen presentation on mouse macrophages. *Biological and Pharmaceutical Bulletin*, **1994**, 17, 889-93 2.3
- 5 Pharmacological activity of chemically modified subfragment from human serum IgG. XIV. Inhibitory effect of carboxamide-methylated light chain (G1L) on tyrosine phosphorylation and tumor necrosis factor- α production from murine macrophages stimulated by *Chemical and Pharmaceutical Bulletin*, **1987**, 35, 4575-81 2.3
- 4 Inhibitory effect of bis[2-(E-2-octenoylamino)ethyl] disulfide and 2-(E-octenoylamino)ethyl carbamoylmethyl sulfide on various inflammation models. *Chemical and Pharmaceutical Bulletin*, **1987**, 35, 4585-91 1.9
- 3 Inhibitory effect of bis[2-(E-2-alkenoylaminoethyl] disulfides and 2-(E-octenoylamino)ethyl carbamoylmethyl sulfides on carrageenin-induced paw edema in rats. *Chemical and Pharmaceutical Bulletin*, **1987**, 35, 4579-84 1.9
- 2 Studies on pharmacological activation of human serum immunoglobulin G (IgG) by chemical modification and active subfragments. VI. Anti-allergic activity of carboxamidemethylated Fc (CM-Fc) fragment from human serum IgG. *Chemical and Pharmaceutical Bulletin*, **1987**, 35, 4935-9 1.9
- 1 Negative Regulation of the TGF- β Family Signal Pathway by Inhibitory Smads and Their Involvement in Cancer and Fibrosis **2008**, 649-661