Susumu Itoh

List of Publications by Year
in descending order

98 papers	9,735 citations	87843 38 h-index	48277 88 g-index
98 all docs	98 docs citations	98 times ranked	9238 citing authors

#	Article	IF	Citations
1	Identification of Smad7, a TGFÎ²-inducible antagonist of TGF-Î² signalling. Nature, 1997, 389, 631-635.	13.7	1,684
2	Balancing the activation state of the endothelium via two distinct TGF-beta type I receptors. EMBO Journal, 2002, 21, 1743-1753.	3.5	972
3	Activin Receptor-like Kinase (ALK)1 Is an Antagonistic Mediator of Lateral TGFÎ²/ALK5 Signaling. Molecular Cell, 2003, 12, 817-828.	4.5	631
4	Identification and Functional Characterization of a Smad Binding Element (SBE) in the JunB Promoter That Acts as a Transforming Growth Factor-Î², Activin, and Bone Morphogenetic Protein-inducible Enhancer. Journal of Biological Chemistry, 1998, 273, 21145-21152.	1.6	523
5	Signaling of transforming growth factor-Î² family members through Smad proteins. FEBS Journal, 2000, 267, 6954-6967.	0.2	466
6	Regulation of cell proliferation by Smad proteins. Journal of Cellular Physiology, 2002, 191, 1-16.	2.0	418
7	Hedgehog Creates a Gradient of DPP Activity in Drosophila Wing Imaginal Discs. Molecular Cell, 2000, 5, 59-71.	4.5	375
8	The L45 loop in type I receptors for TGF-Î² family members is a critical determinant in specifying Smad isoform activation. FEBS Letters, 1998, 434, 83-87.	1.3	352
9	Negative regulation of TGF-Î² receptor/Smad signal transduction. Current Opinion in Cell Biology, 2007, 19, 176-184.	2.6	351
10	Induction of Inhibitory Smad6 and Smad7 mRNA by TGF-Î² Family Members. Biochemical and Biophysical Research Communications, 1998, 249, 505-511.	1.0	323
11	Stimulation of Id1 Expression by Bone Morphogenetic Protein Is Sufficient and Necessary for Bone Morphogenetic Proteinâ€"Induced Activation of Endothelial Cells. Circulation, 2002, 106, 2263-2270.	1.6	280
12	Synergy and antagonism between Notch and BMP receptor signaling pathways in endothelial cells. EMBO Journal, 2004, 23, 541-551.	3.5	222
13	Transforming Growth Factor Î²1 Induces Nuclear Export of Inhibitory Smad7. Journal of Biological Chemistry, 1998, 273, 29195-29201.	1.6	218
14	Elucidation of Smad Requirement in Transforming Growth Factor-Î² Type I Receptor-induced Responses. Journal of Biological Chemistry, 2003, 278, 3751-3761.	1.6	189
15	Gene structure of CYP3A4, an adult-specific form of cytochrome P450 in human livers, and its transcriptional control. FEBS Journal, 1993, 218, 585-595.	0.2	176
16	TGF-Î² promotes PI3K-AKT signaling and prostate cancer cell migration through the TRAF6-mediated ubiquitylation of p85Î±. Science Signaling, 2017, 10, .	1.6	157
17	Smad7 mediates apoptosis induced by transforming growth factor Î² in prostatic carcinoma cells. Current Biology, 2000, 10, 535-538.	1.8	149
18	The FYVE domain in Smad anchor for receptor activation (SARA) is sufficient for localization of SARA in early endosomes and regulates TGF-Î²/Smad signalling. Genes To Cells, 2002, 7, 321-331.	0.5	137

#	Article	IF	Citations
19	Smad and AML Proteins Synergistically Confer Transforming Growth Factor Î²1 Responsiveness to Human Germ-line IgA Genes. Journal of Biological Chemistry, 2000, 275, 3552-3560.	1.6	136
20	TMEPAI, a Transmembrane TGF-Î²-Inducible Protein, Sequesters Smad Proteins from Active Participation in TGF-Î² Signaling. Molecular Cell, 2010, 37, 123-134.	4.5	136
21	Compensatory signalling induced in the yolk sac vasculature by deletion of TGFÎ² receptors in mice. Journal of Cell Science, 2007, 120, 4269-4277.	1.2	104
22	Xenopus Smad4Î² Is the Co-Smad Component of Developmentally Regulated Transcription Factor Complexes Responsible for Induction of Early Mesodermal Genes. Developmental Biology, 1999, 214, 354-369.	0.9	88
23	Functional consequences of tumorigenic missense mutations in the amino-terminal domain of Smad4. Oncogene, 2000, 19, 4396-4404.	2.6	86
24	Intracellular signaling of osteogenic protein-1 through Smad5 activation. , 1998, 177, 355-363.		73
25	Mouse Cytochrome P450 (Cyp3a11): Predominant Expression in Liver and Capacity to Activate Aflatoxin B1. Archives of Biochemistry and Biophysics, 1997, 340, 215-218.	1.4	68
26	Smad2/Smad3 in endothelium is indispensable for vascular stability via S1PR1 and N-cadherin expressions. Blood, 2012, 119, 5320-5328.	0.6	62
27	Mouse liver cytochrome P-450 (P-450IIIAm1): its cDNA cloning and inducibility by dexamethasone. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1130, 329-332.	2.4	58
28	<scp>TMEPAI</scp>/<scp>PMEPA</scp>1 enhances tumorigenic activities in lung cancer cells. Cancer Science, 2014, 105, 334-341.	1.7	54
29	Arf6 regulates tumour angiogenesis and growth through HGF-induced endothelial Î²1 integrin recycling. Nature Communications, 2015, 6, 7925.	5.8	52
30	Smad7 and protein phosphatase 1alpha are critical determinants in the duration of TGF-beta/ALK1 signaling in endothelial cells. BMC Cell Biology, 2006, 7, 16.	3.0	50
31	Assignment of the human interferon regulatory factor-1 (IRF1) gene to chromosome 5q23â€“q31. Genomics, 1991, 10, 1097-1099.	1.3	48
32	C18 ORF1, a Novel Negative Regulator of Transforming Growth Factor-Î² Signaling. Journal of Biological Chemistry, 2014, 289, 12680-12692.	1.6	48
33	Targeted Degradation of Proteins Localized in Subcellular Compartments by Hybrid Small Molecules. Molecular Pharmacology, 2017, 91, 159-166.	1.0	45
34	Rat liver flavin-containing monooxygenase (FMO): cDNA cloning and expression in yeast. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1173, 165-171.	2.4	44
35	Requirement of TCF7L2 for TGF-Î²-dependent Transcriptional Activation of the TMEPAI Gene. Journal of Biological Chemistry, 2010, 285, 38023-38033.	1.6	44
36	Inhibition of the Transcription of CYP1A1 Gene by the Upstream Stimulatory Factor 1 in Rabbits. Journal of Biological Chemistry, 1997, 272, 30025-30031.	1.6	43

#	Article	IF	Citations
37	A Novel Form of Mouse Cytochrome P 450 3A (Cyp3a-16). Its cDNA Cloning and Expression in Fetal Liver. FEBS Journal, 1994, 226, 877-882.	0.2	42
38	Flk1-GFP BAC Tg Mice: An Animal Model for the Study of Blood Vessel Development. Experimental Animals, 2010, 59, 615-622.	0.7	42
39	Genomic organization of human fetal specific P-450IIIA7(cytochrome P-450HFLa)-related gene(s) and interaction of transcriptional regulatory factor with its DNA element in the 5â€² flanking region. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1130, 133-138.	2.4	40
40	Inhibition of endothelial cell activation by bHLH protein E2-2 and its impairment of angiogenesis. Blood, 2010, 115, 4138-4147.	0.6	34
41	Molecular cloning and functional expression of a mouse cytochrome P-450 (Cyp3a-13): examination of Cyp3a-13 enzyme to activate aflatoxin B1 (AFB1). Biochimica Et Biophysica Acta - General Subjects, 1994, 1201, 405-410.	1.1	32
42	Adhesion Molecules on Eosinophils in Acute Eosinophilic Pneumonia. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 1259-1262.	2.5	32
43	PDZK1-interacting protein 1 (PDZK1IP1) traps Smad4 protein and suppresses transforming growth factor-Î² (TGF-Î²) signaling. Journal of Biological Chemistry, 2019, 294, 4966-4980.	1.6	31
44	Transforming growth factorâ€Î² signaling enhancement by longâ€term exposure to hypoxia in a tumor microenvironment composed of <scp>L</scp>ewis lung carcinoma cells. Cancer Science, 2015, 106, 1524-1533.	1.7	29
45	Stable expression of cytochrome P450IIIA7 cDNA in human breast cancer cell line MCF-7 and its application to cytotoxicity testing. Archives of Biochemistry and Biophysics, 1992, 292, 136-140.	1.4	28
46	Methylation of Smad6 by protein arginineN-methyltransferase 1. FEBS Letters, 2006, 580, 6603-6611.	1.3	27
47	Molecular cloning and characterization of a novel human STE20-like kinase, hSLK1The nucleotide sequence reported in this paper has been submitted to the DDBJ/EMBL/GenBank with accession number AB002804.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2000, 1495, 250-262.	1.9	26
48	TMED10 Protein Interferes with Transforming Growth Factor (TGF)-Î² Signaling by Disrupting TGF-Î² Receptor Complex Formation. Journal of Biological Chemistry, 2017, 292, 4099-4112.	1.6	25
49	Determination of FAD-Binding Domain in Flavin-Containing Monooxygenase 1 (FMO1). Archives of Biochemistry and Biophysics, 1997, 345, 271-277.	1.4	24
50	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. FEBS Journal, 1996, 242, 512-518.	0.2	23
51	Regulation of CYP1A and CYP3A mRNAs by Ascorbic Acid in Guinea Pigs. Archives of Biochemistry and Biophysics, 1997, 348, 268-277.	1.4	23
52	Molecular Cloning and Characterization of a Novel Putative STE20-like Kinase in Guinea Pigs. Archives of Biochemistry and Biophysics, 1997, 340, 201-207.	1.4	23
53	Inhibitory machinery for the TGF-Î² family signaling pathway. Growth Factors, 2011, 29, 163-173.	0.5	23
54	TMEPAI family: involvement in regulation of multiple signalling pathways. Journal of Biochemistry, 2018, 164, 195-204.	0.9	22

#	Article	IF	Citations
55	Smad7 Enhances TGF-Î²-Induced Transcription of c-Jun and HDAC6 Promoting Invasion of Prostate Cancer Cells. IScience, 2020, 23, 101470.	1.9	22
56	Molecular cloning of 25-hydroxyvitamin D-3 24-hydroxylase (Cyp-24) from mouse kidney: its inducibility by vitamin D-3. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 26-28.	2.4	21
57	Dissociation of the AhR/ARNT complex by TGF-Î²/Smad signaling represses CYP1A1 gene expression and inhibits benze[a]pyrene-mediated cytotoxicity. Journal of Biological Chemistry, 2020, 295, 9033-9051.	1.6	21
58	Characterization of Ah receptor promoter in human liver cell line, HepG2. Pharmacogenetics and Genomics, 1994, 4, 219-222.	5.7	20
59	Simultaneous expression of human CYP3A7 and N-acetyltransferase in Chinese hamster CHL cells results in high cytotoxicity for carcinogenic heterocyclic amines. Archives of Biochemistry and Biophysics, 1995, 320, 323-329.	1.4	20
60	Poor vessel formation in embryos from knock-in mice expressing ALK5 with L45 loop mutation defective in Smad activation. Laboratory Investigation, 2009, 89, 800-810.	1.7	19
61	Upstream Stimulatory Factor 1 (USF1) Suppresses Induction of CYP1A1 mRNA by 3-Methylcholanthrene (MC) in HepG2 Cells. Biochemical and Biophysical Research Communications, 1997, 240, 293-297.	1.0	18
62	Human Ah receptor cDNA: analysis for highly conserved sequences. Nucleic Acids Research, 1993, 21, 3578-3578.	6.5	17
63	Studies on Biological Activities of Melanin from Marine Animals. V. Anti-inflammatory Activity of Low-Molecular-Weight Melanoprotein from Squid (Fr. SM II). Chemical and Pharmaceutical Bulletin, 1987, 35, 1144-1150.	0.6	15
64	Implication of TGF-Â as a survival factor during tumour development. Journal of Biochemistry, 2012, 151, 559-562.	0.9	14
65	Evidence for the lack of hepatic n-acetyltransferase in suncus (Suncus murinus). Biochemical Pharmacology, 1995, 50, 1165-1170.	2.0	12
66	TAL1/SCL Relieves the E2-2-Mediated Repression of VEGFR2 Promoter Activity. Journal of Biochemistry, 2008, 145, 129-135.	0.9	12
67	Regulation of the TMEPAI promoter by TCF7L2: the C-terminal tail of TCF7L2 is essential to activate the<i>TMEPAI</i>gene. Journal of Biochemistry, 2016, 159, 27-30.	0.9	11
68	Delayed cutaneous wound healing in Fam129b/Minerva-deficient mice. Journal of Biochemistry, 2012, 152, 549-555.	0.9	10
69	Decrease in the content of cytochrome P450IIE by fasting in liver microsomes of house musk shrew (Suncus murinus). Biochemical Pharmacology, 1992, 43, 1907-1910.	2.0	9
70	Gene Structure of MouseCyp3a11:Evidence for an Enhancer Element within Its 5â€² Flanking Sequences. Archives of Biochemistry and Biophysics, 1997, 338, 43-49.	1.4	9
71	Studies on pharmacological activation of human serum IgG by chemical modification and active subfragments. V Mechanism of anti-inflammatory action of carboxamide-methylated L-chain (Fr. I-L) and H-chain (Fr. I-H) from human serum IgG.. Journal of Pharmacobio-dynamics, 1986, 9, 799-805.	0.5	8
72	Interference of E2â€•2â€•mediated effect in endothelial cells by FAM96B through its limited expression of E2â€•2. Cancer Science, 2011, 102, 1808-1814.	1.7	8

#	Article	IF	Citations
73	TGF-<i>Î²</i>Signaling Cooperates with AT Motif-Binding Factor-1 for Repression of the<i>Î±</i>-Fetoprotein Promoter. Journal of Signal Transduction, 2014, 2014, 1-11.	2.0	8
74	Endothelial-specific depletion of TGF-Î² signaling affects lymphatic function. Inflammation and Regeneration, 2021, 41, 35.	1.5	8
75	Inhibitory effect of bis(2-(E-2-alkenoylamino)ethyl) disulfides and 2-(E-octenoylamino)ethyl carbamoylmethyl sulfides on carrageenin-induced paw edema in rats.. Chemical and Pharmaceutical Bulletin, 1987, 35, 4579-4584.	0.6	7
76	N-oxygenation of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine by the rat liver flavin-containing monooxygenase expressed in yeast cells. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1995, 293, 97-100.	0.8	7
77	Inhibitory Effect of Tuna Peptide on Endothelin Production in Cultured Endothelial Cells.. Biological and Pharmaceutical Bulletin, 1994, 17, 886-888.	0.6	6
78	Isolation of a promoter region in mouse cytochrome P450 3A (Cyp3A16) gene and its transcriptional control. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1350, 155-158.	2.4	6
79	Involvement of miR-3180-3p and miR-4632-5p in palmitic acid-induced insulin resistance. Molecular and Cellular Endocrinology, 2021, 534, 111371.	1.6	6
80	Effect of 26,26,26,27,27,27-Hexafluoro-1,25-Dihydroxyvitamin D₃on the Expression of Vitamin-D-Responsive Genes in Vitamin-D-Deficient Mice. Pharmacology, 1998, 57, 286-294.	0.9	5
81	cDNA cloning of mouse ferredoxin reductase from kidney. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 159-162.	2.4	4
82	Narciclasine is a novel YAP inhibitor that disturbs interaction between YAP and TEAD4. BBA Advances, 2021, 1, 100008.	0.7	4
83	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, 4585-4591.	0.6	3
84	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, 4935-4939.	0.6	3
85	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). Immunology Letters, 1989, 20, 139-147.	1.1	3
86	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, 889-893.	0.6	3
87	Signal transduction mechanisms for members of the TGF-Î² family. , 2001, , 11-40.		3
88	Studies on Thermophile Products. VII. Effect of 1,3-Di-14-methylpentadecanoyl Glycerol and Its Related Isofatty Acids on T Cell Proliferation in Vitro.. Biological and Pharmaceutical Bulletin, 1994, 17, 850-852.	0.6	2
89	Studies on Thermophile Products. IX. Isofatty Acid-Containing Phosphatidylglycerol That Enhances the Induction of Concanavalin A-Activated Suppressor T Cells.. Biological and Pharmaceutical Bulletin, 1994, 17, 1171-1175.	0.6	2
90	Simultaneous expression of ferredoxin, ferredoxin reductase and P450 in COS7 cells. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1318, 284-290.	0.5	1

#	Article	IF	Citations
91	Studies on Thermophile Products. X. Further Biological Properties of Isofatty Acid-Containing Phosphatidylglycerol That Enhances the Induction of Suppressor T Cells.. Biological and Pharmaceutical Bulletin, 1994, 17, 1446-1450.	0.6	0
92	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-.ALPHA. Production from Murine Macrophages Stimulated by Lipopolysaccharide.. Biological and Pharmaceutical Bulletin, 1995, 18, 1377-1381.	0.6	0
93	Opposite effects of isoniazid and fasting on the expression of CYP2E1 protein and mRNA in house musk shrew (Suncus murinus). IUBMB Life, 1997, 41, 293-301.	1.5	0
94	Molecular cloning and regulation of a novel guinea pig cytochrome P450 (CYP3A20) which differs from guinea pig CYP3A14 in only two amino acid residues. IUBMB Life, 1998, 44, 1245-1253.	1.5	0
95	Vascular deficiency in ALK5 knock-in mice. Vascular Pharmacology, 2006, 45, e137.	1.0	0
96	TMEPAI, a transmembrane TGF-Î²-inducible protein, sequesters Smad proteins in TGF-Î² signaling. Nature Precedings, 2007, , .	0.1	0
97	Active TGF-Î² signaling in hypoxic area. Cancer Science, 2015, 106, November cover-November cover.	1.7	0
98	Negative Regulation of the TGF-Î² Family Signal Pathway by Inhibitory Smads and Their Involvement in Cancer and Fibrosis. , 2008, , 649-661.		0