Jun-Ichiro Inoue

List of Publications by Citations

111 papers	12,353 citations	40 h-index	111 g-index
118 ext. papers	13,522 ext. citations	8 avg, IF	5.63 L-index

#	Paper	IF	Citations
111	Induction and activation of the transcription factor NFATc1 (NFAT2) integrate RANKL signaling in terminal differentiation of osteoclasts. *Developmental Cell*, **2002**, 3, 889-901	10.2	1920
110	TAK1 is a ubiquitin-dependent kinase of MKK and IKK. *Nature*, **2001**, 412, 346-51	50.4	1617
109	The kinase TAK1 can activate the NIK-I kappaB as well as the MAP kinase cascade in the IL-1 signalling pathway. *Nature*, **1999**, 398, 252-6	50.4	1019
108	Interferon-alpha induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. *Nature Immunology*, **2004**, 5, 1061-8	19.1	790
107	Severe osteopetrosis, defective interleukin-1 signalling and lymph node organogenesis in TRAF6-deficient mice. *Genes To Cells*, **1999**, 4, 353-62	2.3	515
106	Segregation of TRAF6-mediated signaling pathways clarifies its role in osteoclastogenesis. *EMBO Journal*, **2001**, 20, 1271-80	13	375
105	Identification of TRAF6, a novel tumor necrosis factor receptor-associated factor protein that mediates signaling from an amino-terminal domain of the CD40 cytoplasmic region. *Journal of Biological Chemistry*, **1996**, 271, 28745-8	5.4	373
104	The tumor necrosis factor family receptors RANK and CD40 cooperatively establish the thymic medullary microenvironment and self-tolerance. *Immunity*, **2008**, 29, 423-37	32.3	365
103	Tumor necrosis factor receptor-associated factor (TRAF) family: adapter proteins that mediate cytokine signaling. *Experimental Cell Research*, **2000**, 254, 14-24	4.2	358
102	Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation. *Journal of Clinical Investigation*, **2004**, 114, 475-484	15.9	344
101	The cytokine RANKL produced by positively selected thymocytes fosters medullary thymic epithelial cells that express autoimmune regulator. *Immunity*, **2008**, 29, 438-50	32.3	331
100	IKK-i, a novel lipopolysaccharide-inducible kinase that is related to IkappaB kinases. *International Immunology*, **1999**, 11, 1357-62	4.9	311
99	Identification of Nafamostat as a Potent Inhibitor of Middle East Respiratory Syndrome Coronavirus S Protein-Mediated Membrane Fusion Using the Split-Protein-Based Cell-Cell Fusion Assay. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 6532-6539	5.9	238
98	Cutting edge: TNFR-associated factor (TRAF) 6 is essential for MyD88-dependent pathway but not toll/IL-1 receptor domain-containing adaptor-inducing IFN-beta (TRIF)-dependent pathway in TLR signaling. *Journal of Immunology*, **2004**, 173, 2913-7	5.3	235
97	Dependence of self-tolerance on TRAF6-directed development of thymic stroma. *Science*, **2005**, 308, 248-51	33.3	233
96	Different cytokines induce surface lymphotoxin-alphabeta on IL-7 receptor-alpha cells that differentially engender lymph nodes and Peyer's patches. *Immunity*, **2002**, 17, 823-33	32.3	212
95	NF-kappaB activation in development and progression of cancer. *Cancer Science*, **2007**, 98, 268-74	6.9	200

94	RANK-mediated amplification of TRAF6 signaling leads to NFATc1 induction during osteoclastogenesis. *EMBO Journal*, **2005**, 24, 790-9	13	172
93	TRAF6-deficient mice display hypohidrotic ectodermal dysplasia. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 8766-71	11.5	149
92	NOTCH3 signaling pathway plays crucial roles in the proliferation of ErbB2-negative human breast cancer cells. *Cancer Research*, **2008**, 68, 1881-8	10.1	141
91	The Anticoagulant Nafamostat Potently Inhibits SARS-CoV-2 S Protein-Mediated Fusion in a Cell Fusion Assay System and Viral Infection In Vitro in a Cell-Type-Dependent Manner. *Viruses*, **2020**, 12,	6.2	135
90	NF-B non-cell-autonomously regulates cancer stem cell populations in the basal-like breast cancer subtype. *Nature Communications*, **2013**, 4, 2299	17.4	131
89	Constitutive activation of nuclear factor-kappaB is preferentially involved in the proliferation of basal-like subtype breast cancer cell lines. *Cancer Science*, **2009**, 100, 1668-74	6.9	107
88	Two mechanistically and temporally distinct NF-kappaB activation pathways in IL-1 signaling. *Science Signaling*, **2009**, 2, ra66	8.8	103
87	TIFA activates IkappaB kinase (IKK) by promoting oligomerization and ubiquitination of TRAF6. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 15318-23	11.5	102
86	Neurotrophin signaling through the p75 receptor is deficient in traf6-/- mice. *Journal of Neuroscience*, **2004**, 24, 10521-9	6.6	86
85	Structures of CYLD USP with Met1- or Lys63-linked diubiquitin reveal mechanisms for dual specificity. *Nature Structural and Molecular Biology*, **2015**, 22, 222-9	17.6	84
84	ErbB receptor tyrosine kinase/NF-B signaling controls mammosphere formation in human breast cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6584-9	11.5	83
83	Characteristics and biological functions of TRAF6. *Advances in Experimental Medicine and Biology*, **2007**, 597, 72-9	3.6	81
82	TRAF6 establishes innate immune responses by activating NF-kappaB and IRF7 upon sensing cytosolic viral RNA and DNA. *PLoS ONE*, **2009**, 4, e5674	3.7	77
81	Regulatory role of metallothionein in NF-kappaB activation. *FEBS Letters*, **1999**, 455, 55-8	3.8	74
80	Induction of interleukin-12 p40 transcript by CD40 ligation via activation of nuclear factor-kappaB. *European Journal of Immunology*, **1997**, 27, 3461-70	6.1	70
79	Lymphotoxin signal promotes thymic organogenesis by eliciting RANK expression in the embryonic thymic stroma. *Journal of Immunology*, **2011**, 186, 5047-57	5.3	68
78	Identification of TIFA as an adapter protein that links tumor necrosis factor receptor-associated factor 6 (TRAF6) to interleukin-1 (IL-1) receptor-associated kinase-1 (IRAK-1) in IL-1 receptor signaling. *Journal of Biological Chemistry*, **2003**, 278, 12144-50	5.4	68
77	Loss of Tifab, a del(5q) MDS gene, alters hematopoiesis through derepression of Toll-like receptor-TRAF6 signaling. *Journal of Experimental Medicine*, **2015**, 212, 1967-85	16.6	65

76	Temporal perturbation of tyrosine phosphoproteome dynamics reveals the system-wide regulatory networks. *Molecular and Cellular Proteomics*, **2009**, 8, 226-31	7.6	51
75	Limitation of immune tolerance-inducing thymic epithelial cell development by Spi-B-mediated negative feedback regulation. *Journal of Experimental Medicine*, **2014**, 211, 2425-38	16.6	46
74	Traf6 is essential for murine tooth cusp morphogenesis. *Developmental Dynamics*, **2004**, 229, 131-5	2.9	46
73	Involvement of A20 in the molecular switch that activates the non-canonical NF-B pathway. *Scientific Reports*, **2013**, 3, 2568	4.9	41
72	p47 negatively regulates IKK activation by inducing the lysosomal degradation of polyubiquitinated NEMO. *Nature Communications*, **2012**, 3, 1061	17.4	40
71	Identification of DRG family regulatory proteins (DFRPs): specific regulation of DRG1 and DRG2. *Genes To Cells*, **2005**, 10, 139-50	2.3	40
70	- regulatory axis controls autoimmunity and myelopoiesis, but is dispensable for hematopoietic stem cell homeostasis and tumor suppression. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7140-E7149	11.5	38
69	TRAF6 directs commitment to regulatory T cells in thymocytes. *Genes To Cells*, **2011**, 16, 437-47	2.3	31
68	Epigenetic alteration of the NF-B-inducing kinase (NIK) gene is involved in enhanced NIK expression in basal-like breast cancer. *Cancer Science*, **2010**, 101, 2391-7	6.9	31
67	A unique domain in RANK is required for Gab2 and PLCgamma2 binding to establish osteoclastogenic signals. *Genes To Cells*, **2009**, 14, 1331-45	2.3	30
66	HTLV-1 Tax Induces Formation of the Active Macromolecular IKK Complex by Generating Lys63- and Met1-Linked Hybrid Polyubiquitin Chains. *PLoS Pathogens*, **2017**, 13, e1006162	7.6	26
65	Fbxo22-mediated KDM4B degradation determines selective estrogen receptor modulator activity in breast cancer. *Journal of Clinical Investigation*, **2018**, 128, 5603-5619	15.9	26
64	Mitochondria-nucleus shuttling FK506-binding protein 51 interacts with TRAF proteins and facilitates the RIG-I-like receptor-mediated expression of type I IFN. *PLoS ONE*, **2014**, 9, e95992	3.7	23
63	Identification of embryonic precursor cells that differentiate into thymic epithelial cells expressing autoimmune regulator. *Journal of Experimental Medicine*, **2016**, 213, 1441-58	16.6	23
62	Tropomodulin 1 expression driven by NF-B enhances breast cancer growth. *Cancer Research*, **2015**, 75, 62-72	10.1	22
61	BI-2536 and BI-6727, dual Polo-like kinase/bromodomain inhibitors, effectively reactivate latent HIV-1. *Scientific Reports*, **2018**, 8, 3521	4.9	22
60	HTLV-1 Tax-induced NFkappaB activation is independent of Lys-63-linked-type polyubiquitination. *Biochemical and Biophysical Research Communications*, **2007**, 357, 225-30	3.4	22
59	Independent stabilizations of polysomal Drg1/Dfrp1 complex and non-polysomal Drg2/Dfrp2 complex in mammalian cells. *Biochemical and Biophysical Research Communications*, **2009**, 390, 552-6	3.4	21

58	Developmental stage-dependent collaboration between the TNF receptor-associated factor 6 and lymphotoxin pathways for B cell follicle organization in secondary lymphoid organs. *Journal of Immunology*, **2007**, 179, 6799-807	5.3	21
57	Activation of the IB kinase complex by HTLV-1 Tax requires cytosolic factors involved in Tax-induced polyubiquitination. *Journal of Biochemistry*, **2011**, 150, 679-86	3.1	20
56	Molecular mechanisms of Streptococcus pneumoniae-targeted autophagy via pneumolysin, Golgi-resident Rab41, and Nedd4-1-mediated K63-linked ubiquitination. *Cellular Microbiology*, **2018**, 20, e12846	3.9	19
55	Cloning and characterization of Xenopus laevis drg2, a member of the developmentally regulated GTP-binding protein subfamily. *Gene*, **2003**, 322, 105-12	3.8	19
54	Chemical Synthesis of d-glycero-d-manno-Heptose 1,7-Bisphosphate and Evaluation of Its Ability to Modulate NF-B Activation. *Organic Letters*, **2017**, 19, 3079-3082	6.2	17
53	TRAF6 negatively regulates the Jak1-Erk pathway in interleukin-2 signaling. *Genes To Cells*, **2011**, 16, 179-89	2.3	17
52	Identification of BCAP-(L) as a negative regulator of the TLR signaling-induced production of IL-6 and IL-10 in macrophages by tyrosine phosphoproteomics. *Biochemical and Biophysical Research Communications*, **2010**, 400, 265-70	3.4	17
51	Cell-cell and virus-cell fusion assay-based analyses of alanine insertion mutants in the distal 9 portion of the JRFL gp41 subunit from HIV-1. *Journal of Biological Chemistry*, **2019**, 294, 5677-5687	5.4	16
50	A Dithiol Compound Binds to the Zinc Finger Protein TRAF6 and Suppresses Its Ubiquitination. *ChemMedChem*, **2017**, 12, 1935-1941	3.7	16
49	TIFAB inhibits TIFA, TRAF-interacting protein with a forkhead-associated domain. *Biochemical and Biophysical Research Communications*, **2004**, 317, 230-4	3.4	16
48	Mammalian homologue of E. coli Ras-like GTPase (ERA) is a possible apoptosis regulator with RNA binding activity. *Genes To Cells*, **2001**, 6, 987-1001	2.3	16
47	Intratumoral bidirectional transitions between epithelial and mesenchymal cells in triple-negative breast cancer. *Cancer Science*, **2017**, 108, 1210-1222	6.9	15
46	Quantitative phosphoproteomics-based molecular network description for high-resolution kinase-substrate interactome analysis. *Bioinformatics*, **2016**, 32, 2083-8	7.2	15
45	Basal autophagy prevents autoactivation or enhancement of inflammatory signals by targeting monomeric MyD88. *Scientific Reports*, **2017**, 7, 1009	4.9	14
44	TRAF-interacting protein with a forkhead-associated domain B (TIFAB) is a negative regulator of the TRAF6-induced cellular functions. *Journal of Biochemistry*, **2009**, 146, 375-81	3.1	14
43	Integrative Network Analysis Combined with Quantitative Phosphoproteomics Reveals Transforming Growth Factor-beta Receptor type-2 (TGFBR2) as a Novel Regulator of Glioblastoma Stem Cell Properties. *Molecular and Cellular Proteomics*, **2016**, 15, 1017-31	7.6	13
42	Interactions between NFkappaB and its inhibitor ikappaB: biophysical characterization of a NFkappaB/ikappaB-alpha complex. *The Protein Journal*, **1998**, 17, 757-63		13
41	Novel clusters of highly expressed genes accompany genomic amplification in breast cancers. *FEBS Letters*, **2007**, 581, 3909-14	3.8	13

40	Discovery of New Fusion Inhibitor Peptides against SARS-CoV-2 by Targeting the Spike S2 Subunit. *Biomolecules and Therapeutics*, **2021**, 29, 282-289	4.2	13
39	Impact of spaceflight on the murine thymus and mitigation by exposure to artificial gravity during spaceflight. *Scientific Reports*, **2019**, 9, 19866	4.9	13
38	Roles of spatial parameters on the oscillation of nuclear NF-B: computer simulations of a 3D spherical cell. *PLoS ONE*, **2012**, 7, e46911	3.7	12
37	An artificial copper complex incorporating a cell-penetrating peptide inhibits nuclear factor-B (NF-B) activation. *Chemical and Pharmaceutical Bulletin*, **2011**, 59, 1555-8	1.9	12
36	Interaction of Tumor Necrosis Factor Receptor-associated Factor 6 (TRAF6) and Vav3 in the Receptor Activator of Nuclear Factor B (RANK) Signaling Complex Enhances Osteoclastogenesis. *Journal of Biological Chemistry*, **2016**, 291, 20643-60	5.4	12
35	TIFAB Regulates USP15-Mediated p53 Signaling during Stressed and Malignant Hematopoiesis. *Cell Reports*, **2020**, 30, 2776-2790.e6	10.6	11
34	Catalytic subunits of the phosphatase calcineurin interact with NF-B-inducing kinase (NIK) and attenuate NIK-dependent gene expression. *Scientific Reports*, **2015**, 5, 10758	4.9	11
33	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. *Scientific Reports*, **2020**, 10, 9275	4.9	10
32	Minimum structural requirements for inhibitors of the zinc finger protein TRAF6. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 2162-2167	2.9	10
31	Small Molecule Inhibitors of Middle East Respiratory Syndrome Coronavirus Fusion by Targeting Cavities on Heptad Repeat Trimers. *Biomolecules and Therapeutics*, **2020**, 28, 311-319	4.2	10
30	TRAF6 maintains mammary stem cells and promotes pregnancy-induced mammary epithelial cell expansion. *Communications Biology*, **2019**, 2, 292	6.7	9
29	Visualization of RelB expression and activation at the single-cell level during dendritic cell maturation in Relb-Venus knock-in mice. *Journal of Biochemistry*, **2015**, 158, 485-95	3.1	9
28	The anticoagulant nafamostat potently inhibits SARS-CoV-2 infection in vitro: an existing drug with multiple possible therapeutic effects		9
27	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. *Oncogene*, **2020**, 39, 6218-6230	9.2	9
26	Cell growth control by stable Rbg2/Gir2 complex formation under amino acid starvation. *Genes To Cells*, **2013**, 18, 859-72	2.3	8
25	Induction of apoptosis in human pancreatic carcinoma cells by a synthetic bleomycin-like ligand. *Japanese Journal of Cancer Research*, **1998**, 89, 947-53		8
24	Splenic extramedullary hemopoiesis caused by a dysfunctional mutation in the NF-B-inducing kinase gene. *Biochemical and Biophysical Research Communications*, **2011**, 414, 773-8	3.4	7
23	System-Wide Analysis of Protein Acetylation and Ubiquitination Reveals a Diversified Regulation in Human Cancer Cells. *Biomolecules*, **2020**, 10,	5.9	6

22	cIAP1/2 negatively regulate RANKL-induced osteoclastogenesis through the inhibition of NFATc1 expression. *Genes To Cells*, **2012**, 17, 971-81	2.3	6
21	Identification and characterization of anti-osteoclastogenic peptides derived from the cytoplasmic tail of receptor activator of nuclear factor kappa B. *Journal of Bone and Mineral Metabolism*, **2012**, 30, 543-53	2.9	6
20	TNF receptor-associated factor 6 (TRAF6) plays crucial roles in multiple biological systems through polyubiquitination-mediated NF-B activation. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2021**, 97, 145-160	4	6
19	Critical roles of IB and RelA phosphorylation in transitional oscillation in NF-B signaling module. *Journal of Theoretical Biology*, **2019**, 462, 479-489	2.3	6
18	Hypergravity Provokes a Temporary Reduction in CD4+CD8+ Thymocyte Number and a Persistent Decrease in Medullary Thymic Epithelial Cell Frequency in Mice. *PLoS ONE*, **2015**, 10, e0141650	3.7	5
17	SARS-CoV-2 Omicron spike H655Y mutation is responsible for enhancement of the endosomal entry pathway and reduction of cell surface entry pathways		5
16	Dok-3 and Dok-1/-2 adaptors play distinctive roles in cell fusion and proliferation during osteoclastogenesis and cooperatively protect mice from osteopenia. *Biochemical and Biophysical Research Communications*, **2018**, 498, 967-974	3.4	4
15	Identification and characterization of Xenopus laevis homologs of mammalian TRAF6 and its binding protein TIFA. *Gene*, **2005**, 358, 53-9	3.8	4
14	The Antimalarial Compound Atovaquone Inhibits Zika and Dengue Virus Infection by Blocking E Protein-Mediated Membrane Fusion. *Viruses*, **2020**, 12,	6.2	4
13	Discovery of New Potent anti-MERS CoV Fusion Inhibitors. *Frontiers in Pharmacology*, **2021**, 12, 685161	5.6	4
12	Structural analysis of TIFA: Insight into TIFA-dependent signal transduction in innate immunity. *Scientific Reports*, **2020**, 10, 5152	4.9	3
11	Six-helix bundle completion in the distal C-terminal heptad repeat region of gp41 is required for efficient human immunodeficiency virus type 1 infection. *Retrovirology*, **2018**, 15, 27	3.6	3
10	Mint3 depletion-mediated glycolytic and oxidative alterations promote pyroptosis and prevent the spread of Listeria monocytogenes infection in macrophages. *Cell Death and Disease*, **2021**, 12, 404	9.8	3
9	Regional regulation of Filiform tongue papillae development by Ikk rf6. *Developmental Dynamics*, **2016**, 245, 937-46	2.9	3
8	The membrane-linked adaptor FRS2 fashions a cytokine-rich inflammatory microenvironment that promotes breast cancer carcinogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
7	Metalloproteinase-dependent and TMPRSS2-independnt cell surface entry pathway of SARS-CoV-2 requires the furin-cleavage site and the S2 domain of spike protein		1
6	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. *Communications Biology*, **2021**, 4, 1165	6.7	1
5	NF-B Signaling in Osteoclastogenesis **2015**, 197-210		1

4	Potential Roles of Spatial Parameters in the Regulation of NF-B Oscillations, as Revealed by Computer Simulations **2015**, 63-75		1
3	-(4-Hydroxyphenyl) Retinamide Suppresses SARS-CoV-2 Spike Protein-Mediated Cell-Cell Fusion by a Dihydroceramide 4-Desaturase 1-Independent Mechanism. *Journal of Virology*, **2021**, 95, e0080721	6.6	1
2	Deletion Of Tifab, a Novel Candidate Gene On Chromosome 5q, Results In Hematopoietic Defects By Changing The Dynamic Range Of Innate Immune Pathway Activation. *Blood*, **2013**, 122, 102-102	2.2	
1	Signaling Networks Involved in the Malignant Transformation of Breast Cancer. *Springer Proceedings in Mathematics and Statistics*, **2021**, 242-252	0.2	