Jun-Ichiro Inoue

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Induction and Activation of the Transcription Factor NFATc1 (NFAT2) Integrate RANKL Signaling in Terminal Differentiation of Osteoclasts. Developmental Cell, 2002, 3, 889-901.	3.1	2,221
2	TAK1 is a ubiquitin-dependent kinase of MKK and IKK. Nature, 2001, 412, 346-351.	13.7	1,850
3	The kinase TAK1 can activate the NIK-IκB as well as the MAP kinase cascade in the IL-1 signalling pathway. Nature, 1999, 398, 252-256.	13.7	1,118
4	Interferon-α induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. Nature Immunology, 2004, 5, 1061-1068.	7.0	894
5	Severe osteopetrosis, defective interleukin-1 signalling and lymph node organogenesis in TRAF6 -deficient mice. Genes To Cells, 1999, 4, 353-362.	0.5	574
6	The Tumor Necrosis Factor Family Receptors RANK and CD40 Cooperatively Establish the Thymic Medullary Microenvironment and Self-Tolerance. Immunity, 2008, 29, 423-437.	6.6	434
7	Segregation of TRAF6-mediated signaling pathways clarifies its role in osteoclastogenesis. EMBO Journal, 2001, 20, 1271-1280.	3.5	427
8	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, 28745-28748.	1.6	424
9	Tumor Necrosis Factor Receptor-Associated Factor (TRAF) Family: Adapter Proteins That Mediate Cytokine Signaling. Experimental Cell Research, 2000, 254, 14-24.	1.2	413
10	Critical roles of c-Jun signaling in regulation of NFAT family and RANKL-regulated osteoclast differentiation. Journal of Clinical Investigation, 2004, 114, 475-484.	3.9	379
11	The Cytokine RANKL Produced by Positively Selected Thymocytes Fosters Medullary Thymic Epithelial Cells that Express Autoimmune Regulator. Immunity, 2008, 29, 438-450.	6.6	375
12	IKK-i, a novel lipopolysaccharide-inducible kinase that is related to lήB kinases. International Immunology, 1999, 11, 1357-1362.	1.8	346
13	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.	1.4	300
14	Cutting Edge: TNFR-Associated Factor (TRAF) 6 Is Essential for MyD88-Dependent Pathway but Not Toll/IL-1 Receptor Domain-Containing Adaptor-Inducing IFN-β (TRIF)-Dependent Pathway in TLR Signaling. Journal of Immunology, 2004, 173, 2913-2917.	0.4	266
15	Dependence of Self-Tolerance on TRAF6-Directed Development of Thymic Stroma. Science, 2005, 308, 248-251.	6.0	258
16	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, 629.	1.5	232
17	Different Cytokines Induce Surface Lymphotoxin-αβ on IL-7 Receptor-α Cells that Differentially Engender Lymph Nodes and Peyer's Patches. Immunity, 2002, 17, 823-833.	6.6	229
18	NF-?B activation in development and progression of cancer. Cancer Science, 2007, 98, 268-274.	1.7	224

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19	RANK-mediated amplification of TRAF6 signaling leads to NFATc1 induction during osteoclastogenesis. EMBO Journal, 2005, 24, 790-799.	3.5	205
20	TRAF6-deficient mice display hypohidrotic ectodermal dysplasia. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8766-8771.	3.3	161
21	NF-κB non-cell-autonomously regulates cancer stem cell populations in the basal-like breast cancer subtype. Nature Communications, 2013, 4, 2299.	5.8	161
22	NOTCH3 Signaling Pathway Plays Crucial Roles in the Proliferation of ErbB2-Negative Human Breast Cancer Cells. Cancer Research, 2008, 68, 1881-1888.	0.4	158
23	Constitutive activation of nuclear factorâ€î°B is preferentially involved in the proliferation of basalâ€like subtype breast cancer cell lines. Cancer Science, 2009, 100, 1668-1674.	1.7	130
24	TIFA activates IÂB kinase (IKK) by promoting oligomerization and ubiquitination of TRAF6. Proceedings of the United States of America, 2004, 101, 15318-15323.	3.3	117
25	Two Mechanistically and Temporally Distinct NF- $\hat{I}^{e}B$ Activation Pathways in IL-1 Signaling. Science Signaling, 2009, 2, ra66.	1.6	116
26	Structures of CYLD USP with Met1- or Lys63-linked diubiquitin reveal mechanisms for dual specificity. Nature Structural and Molecular Biology, 2015, 22, 222-229.	3.6	105
27	TRAF6 Establishes Innate Immune Responses by Activating NF-κB and IRF7 upon Sensing Cytosolic Viral RNA and DNA. PLoS ONE, 2009, 4, e5674.	1.1	102
28	ErbB receptor tyrosine kinase/NF-κB signaling controls mammosphere formation in human breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6584-6589.	3.3	97
29	Loss of <i>Tifab</i> , a del(5q) MDS gene, alters hematopoiesis through derepression of Toll-like receptor–TRAF6 signaling. Journal of Experimental Medicine, 2015, 212, 1967-1985.	4.2	93
30	Neurotrophin Signaling through the p75 Receptor Is Deficient in traf6-/- Mice. Journal of Neuroscience, 2004, 24, 10521-10529.	1.7	91
31	Characteristics and Biological Functions of TRAF6. , 2007, 597, 72-79.		91
32	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, 12144-12150.	1.6	87
33	Regulatory role of metallothionein in NF-κB activation. FEBS Letters, 1999, 455, 55-58.	1.3	82
34	Lymphotoxin Signal Promotes Thymic Organogenesis by Eliciting RANK Expression in the Embryonic Thymic Stroma. Journal of Immunology, 2011, 186, 5047-5057.	0.4	81
35	Induction of interleukin-12 p40 transcript by CD40 ligation via activation of nuclear factor-xB. European Journal of Immunology, 1997, 27, 3461-3470.	1.6	73
36	<i>miR-146a</i> – <i>Traf6</i> 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.	3.3	58

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37	Temporal Perturbation of Tyrosine Phosphoproteome Dynamics Reveals the System-wide Regulatory Networks. Molecular and Cellular Proteomics, 2009, 8, 226-231.	2.5	56
38	Limitation of immune tolerance–inducing thymic epithelial cell development by Spi-B–mediated negative feedback regulation. Journal of Experimental Medicine, 2014, 211, 2425-2438.	4.2	56
39	Involvement of A20 in the molecular switch that activates the non-canonical NF-ĐºB pathway. Scientific Reports, 2013, 3, 2568.	1.6	52
40	Traf6 is essential for murine tooth cusp morphogenesis. Developmental Dynamics, 2004, 229, 131-135.	0.8	50
41	Identification of DRG family regulatory proteins (DFRPs): specific regulation of DRG1 and DRG2. Genes To Cells, 2005, 10, 139-150.	0.5	50
42	p47 negatively regulates IKK activation by inducing the lysosomal degradation of polyubiquitinated NEMO. Nature Communications, 2012, 3, 1061.	5.8	50
43	Identification of embryonic precursor cells that differentiate into thymic epithelial cells expressing autoimmune regulator. Journal of Experimental Medicine, 2016, 213, 1441-1458.	4.2	41
44	Molecular mechanisms of <i>Streptococcus pneumoniae</i> â€targeted autophagy via pneumolysin, Golgiâ€resident Rab41, and Nedd4â€1â€mediated K63â€linked ubiquitination. Cellular Microbiology, 2018, 20, e12846.	1.1	39
45	Fbxo22-mediated KDM4B degradation determines selective estrogen receptor modulator activity in breast cancer. Journal of Clinical Investigation, 2018, 128, 5603-5619.	3.9	39
46	Epigenetic alteration of the NFâ€̂PBâ€inducing kinase (<i>NIK</i>) gene is involved in enhanced NIK expression in basalâ€like breast cancer. Cancer Science, 2010, 101, 2391-2397.	1.7	37
47	TRAF6 directs commitment to regulatory T cells in thymocytes. Genes To Cells, 2011, 16, 437-447.	0.5	33
48	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.	1.1	31
49	A unique domain in RANK is required for Gab2 and PLCγ2 binding to establish osteoclastogenic signals. Genes To Cells, 2009, 14, 1331-1345.	0.5	30
50	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.	2.1	30
51	BI-2536 and BI-6727, dual Polo-like kinase/bromodomain inhibitors, effectively reactivate latent HIV-1. Scientific Reports, 2018, 8, 3521.	1.6	30
52	Discovery of New Fusion Inhibitor Peptides against SARS-CoV-2 by Targeting the Spike S2 Subunit. Biomolecules and Therapeutics, 2021, 29, 282-289.	1.1	30
53	Tropomodulin 1 Expression Driven by NF-κB Enhances Breast Cancer Growth. Cancer Research, 2015, 75, 62-72.	0.4	29
54	Cell–cell and virus–cell fusion assay–based analyses of alanine insertion mutants in the distal α9 portion of the JRFL gp41 subunit from HIV-1. Journal of Biological Chemistry, 2019, 294, 5677-5687.	1.6	29

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55	TIFAB Regulates USP15-Mediated p53 Signaling during Stressed and Malignant Hematopoiesis. Cell Reports, 2020, 30, 2776-2790.e6.	2.9	27
56	Chemical Synthesis of <scp>d</scp> - <i>glycero</i> - <scp>d</scp> - <i>manno</i> -Heptose 1,7-Bisphosphate and Evaluation of Its Ability to Modulate NF-ήB Activation. Organic Letters, 2017, 19, 3079-3082.	2.4	26
57	Cloning and characterization of Xenopus laevis drg2, a member of the developmentally regulated GTP-binding protein subfamily. Gene, 2003, 322, 105-112.	1.0	25
58	Intratumoral bidirectional transitions between epithelial and mesenchymal cells in tripleâ€negative breast cancer. Cancer Science, 2017, 108, 1210-1222.	1.7	25
59	TNF receptor-associated factor 6 (TRAF6) plays crucial roles in multiple biological systems through polyubiquitination-mediated NF-1ºB activation. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2021, 97, 145-160.	1.6	25
60	Independent stabilizations of polysomal Drg1/Dfrp1 complex and non-polysomal Drg2/Dfrp2 complex in mammalian cells. Biochemical and Biophysical Research Communications, 2009, 390, 552-556.	1.0	24
61	Basal autophagy prevents autoactivation or enhancement of inflammatory signals by targeting monomeric MyD88. Scientific Reports, 2017, 7, 1009.	1.6	24
62	A Dithiol Compound Binds to the Zinc Finger Protein TRAF6 and Suppresses Its Ubiquitination. ChemMedChem, 2017, 12, 1935-1941.	1.6	23
63	Metalloproteinase-Dependent and TMPRSS2-Independent Cell Surface Entry Pathway of SARS-CoV-2 Requires the Furin Cleavage Site and the S2 Domain of Spike Protein. MBio, 2022, 13, .	1.8	23
64	HTLV-1 Tax-induced NFκB activation is independent of Lys-63-linked-type polyubiquitination. Biochemical and Biophysical Research Communications, 2007, 357, 225-230.	1.0	22
65	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, 6799-6807.	0.4	21
66	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, 265-270.	1.0	21
67	TIFAB inhibits TIFA, TRAF-interacting protein with a forkhead-associated domain. Biochemical and Biophysical Research Communications, 2004, 317, 230-234.	1.0	20
68	Activation of the IÂB kinase complex by HTLV-1 Tax requires cytosolic factors involved in Tax-induced polyubiquitination. Journal of Biochemistry, 2011, 150, 679-686.	0.9	20
69	Mammalian homologue ofE. coliras-like GTPase (ERA) is a possible apoptosis regulator with RNA binding activity. Genes To Cells, 2001, 6, 987-1001.	0.5	19
70	Interaction of Tumor Necrosis Factor Receptor-associated Factor 6 (TRAF6) and Vav3 in the Receptor Activator of Nuclear Factor κB (RANK) Signaling Complex Enhances Osteoclastogenesis. Journal of Biological Chemistry, 2016, 291, 20643-20660.	1.6	19
71	Minimum structural requirements for inhibitors of the zinc finger protein TRAF6. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2162-2167.	1.0	19
72	Impact of spaceflight on the murine thymus and mitigation by exposure to artificial gravity during spaceflight. Scientific Reports, 2019, 9, 19866.	1.6	19

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73	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, 375-381.	0.9	18
74	Quantitative phosphoproteomics-based molecular network description for high-resolution kinase-substrate interactome analysis. Bioinformatics, 2016, 32, 2083-2088.	1.8	18
75	EXOSC9 depletion attenuates P-body formation, stress resistance, and tumorigenicity of cancer cells. Scientific Reports, 2020, 10, 9275.	1.6	18
76	TRAF6 negatively regulates the Jak1-Erk pathway in interleukin-2 signaling. Genes To Cells, 2011, 16, 179-189.	0.5	17
77	Small Molecule Inhibitors of Middle East Respiratory Syndrome Coronavirus Fusion by Targeting Cavities on Heptad Repeat Trimers. Biomolecules and Therapeutics, 2020, 28, 311-319.	1.1	17
78	Novel clusters of highly expressed genes accompany genomic amplification in breast cancers. FEBS Letters, 2007, 581, 3909-3914.	1.3	16
79	An Artificial Copper Complex Incorporating a Cell-Penetrating Peptide Inhibits Nuclear FactorKAPPA.B (NFKAPPA.B) Activation. Chemical and Pharmaceutical Bulletin, 2011, 59, 1555-1558.	0.6	16
80	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, 1017-1031.	2.5	16
81	Mint3 depletion restricts tumor malignancy of pancreatic cancer cells by decreasing SKP2 expression via HIF-1. Oncogene, 2020, 39, 6218-6230.	2.6	16
82	Cell growth control by stable <scp>R</scp> bg2/ <scp>G</scp> ir2 complex formation under amino acid starvation. Genes To Cells, 2013, 18, 859-872.	0.5	14
83	TRAF6 maintains mammary stem cells and promotes pregnancy-induced mammary epithelial cell expansion. Communications Biology, 2019, 2, 292.	2.0	14
84	Interactions between NFkappaB and its inhibitor ikappaB: biophysical characterization of a NFkappaB/ikappaB-alpha complex. The Protein Journal, 1998, 17, 757-763.	1.1	13
85	Roles of Spatial Parameters on the Oscillation of Nuclear NF-κB: Computer Simulations of a 3D Spherical Cell. PLoS ONE, 2012, 7, e46911.	1.1	13
86	Catalytic subunits of the phosphatase calcineurin interact with NF-κB-inducing kinase (NIK) and attenuate NIK-dependent gene expression. Scientific Reports, 2015, 5, 10758.	1.6	13
87	Visualization of RelB expression and activation at the single-cell level during dendritic cell maturation inRelb-Venusknock-in mice. Journal of Biochemistry, 2015, 158, mvv064.	0.9	11
88	Critical roles of ll̂ºBα and RelA phosphorylation in transitional oscillation in NF-κB signaling module. Journal of Theoretical Biology, 2019, 462, 479-489.	0.8	10
89	Discovery of New Potent anti-MERS CoV Fusion Inhibitors. Frontiers in Pharmacology, 2021, 12, 685161.	1.6	10
90	Induction of Apoptosis in Human Pancreatic Carcinoma Cells by a Synthetic Bleomycin-like Ligand. Japanese Journal of Cancer Research, 1998, 89, 947-953.	1.7	9

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91	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.	2.7	9
92	c <scp>IAP</scp> 1/2 negatively regulate <scp>RANKL</scp> â€induced osteoclastogenesis through the inhibition of <scp>NFAT</scp> c1 expression. Genes To Cells, 2012, 17, 971-981.	0.5	8
93	System-Wide Analysis of Protein Acetylation and Ubiquitination Reveals a Diversified Regulation in Human Cancer Cells. Biomolecules, 2020, 10, 411.	1.8	8
94	The Antimalarial Compound Atovaquone Inhibits Zika and Dengue Virus Infection by Blocking E Protein-Mediated Membrane Fusion. Viruses, 2020, 12, 1475.	1.5	8
95	B cell–intrinsic TBK1 is essential for germinal center formation during infection and vaccination in mice. Journal of Experimental Medicine, 2022, 219, .	4.2	8
96	Splenic extramedullary hemopoiesis caused by a dysfunctional mutation in the NF-κB-inducing kinase gene. Biochemical and Biophysical Research Communications, 2011, 414, 773-778.	1.0	7
97	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, 543-553.	1.3	7
98	Structural analysis of TIFA: Insight into TIFA-dependent signal transduction in innate immunity. Scientific Reports, 2020, 10, 5152.	1.6	7
99	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.	1.1	6
100	<i>N</i> -(4-Hydroxyphenyl) Retinamide Suppresses SARS-CoV-2 Spike Protein-Mediated Cell-Cell Fusion by a Dihydroceramide Δ4-Desaturase 1-Independent Mechanism. Journal of Virology, 2021, 95, e0080721.	1.5	6
101	Identification and characterization of Xenopus laevis homologs of mammalian TRAF6 and its binding protein TIFA. Gene, 2005, 358, 53-59.	1.0	5
102	Regional regulation of Filiform tongue papillae development by Ikkα/Irf6. Developmental Dynamics, 2016, 245, 937-946.	0.8	5
103	The membrane-linked adaptor FRS2β 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, e2103658118.	3.3	5
104	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.	1.0	4
105	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.	0.9	4
106	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. Communications Biology, 2021, 4, 1165.	2.0	4
107	A New 1,2-Naphthoquinone Derivative with Anti-lung Cancer Activity. Chemical and Pharmaceutical Bulletin, 2022, 70, 477-482.	0.6	3

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109	Potential Roles of Spatial Parameters in the Regulation of NF-κB Oscillations, as Revealed by Computer Simulations. , 2015, , 63-75.		1
110	Signaling Networks Involved in the Malignant Transformation of Breast Cancer. Springer Proceedings in Mathematics and Statistics, 2021, , 242-252.	0.1	0
111	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.	0.6	0
112	Development of chimeric receptor activator of nuclear factorâ€kappa B with glutathione Sâ€transferase in the extracellular domain: Artificial switch in a membrane receptor. Chemical Biology and Drug Design, 2022, 99, 573-584.	1.5	0