

# Ryuta Muromoto

## List of Publications by Year in descending order

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105  
papers

2,200  
citations

201674

27  
h-index

276875

41  
g-index

109  
all docs

109  
docs citations

109  
times ranked

2736  
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of Tyrosine Kinase-2 in Both the IL-12/Th1 and IL-23/Th17 Axes In Vivo. Journal of Immunology, 2011, 187, 181-189.	0.8	90
2	Modulation of TLR4 Signaling by a Novel Adaptor Protein Signal-Transducing Adaptor Protein-2 in Macrophages. Journal of Immunology, 2006, 176, 380-389.	0.8	88
3	Physical and Functional Interactions between Daxx and DNA Methyltransferase 1-Associated Protein, DMAP1. Journal of Immunology, 2004, 172, 2985-2993.	0.8	81
4	Regulation of Transforming Growth Factor- $\beta$ Signaling by Protein Inhibitor of Activated STAT, PIASy through Smad3. Journal of Biological Chemistry, 2003, 278, 34253-34258.	3.4	79
5	PDLIM2 Inhibits T Helper 17 Cell Development and Granulomatous Inflammation Through Degradation of STAT3. Science Signaling, 2011, 4, ra85.	3.6	70
6	Physical and functional interactions between STAT3 and KAP1. Oncogene, 2008, 27, 3054-3059.	5.9	65
7	Tyk2 is a therapeutic target for psoriasis-like skin inflammation. International Immunology, 2014, 26, 257-267.	4.0	62
8	IL-17A plays a central role in the expression of psoriasis signature genes through the induction of $\text{IL-1}\beta$ in keratinocytes. International Immunology, 2016, 28, 443-452.	4.0	59
9	Signal-Transducing Adaptor Protein-2 Regulates Integrin-Mediated T Cell Adhesion through Protein Degradation of Focal Adhesion Kinase. Journal of Immunology, 2007, 179, 2397-2407.	0.8	54
10	Physical and functional interactions between STAT3 and ZIP kinase. International Immunology, 2005, 17, 1543-1552.	4.0	51
11	HDAC3 influences phosphorylation of STAT3 at serine 727 by interacting with PP2A. Biochemical and Biophysical Research Communications, 2009, 379, 616-620.	2.1	51
12	KAP1 regulates type I interferon/STAT1-mediated IRF-1 gene expression. Biochemical and Biophysical Research Communications, 2008, 370, 366-370.	2.1	50
13	LIF- and IL-6-Induced Acetylation of STAT3 at Lys-685 through PI3K/Akt Activation. Biological and Pharmaceutical Bulletin, 2007, 30, 1860-1864.	1.4	49
14	Physical and functional interactions between STAT3 and Kaposi's sarcoma-associated herpesvirus-encoded LANA. FEBS Letters, 2006, 580, 93-98.	2.8	46
15	STAP-2 is phosphorylated at tyrosine-250 by Brk and modulates Brk-mediated STAT3 activation. Biochemical and Biophysical Research Communications, 2009, 384, 71-75.	2.1	46
16	Sumoylation of Smad3 stimulates its nuclear export during PIASy-mediated suppression of TGF- $\beta$ signaling. Biochemical and Biophysical Research Communications, 2008, 370, 359-365.	2.1	43
17	Interactions of STAP-2 with Brk and STAT3 Participate in Cell Growth of Human Breast Cancer Cells. Journal of Biological Chemistry, 2010, 285, 38093-38103.	3.4	43
18	Noncanonical K27-Linked Polyubiquitination of TIEG1 Regulates Foxp3 Expression and Tumor Growth. Journal of Immunology, 2011, 186, 5638-5647.	0.8	43

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19	Epstein-Barr virus-derived EBNA2 regulates STAT3 activation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 439-443.	2.1	39
20	Sumoylation of Daxx Regulates IFN-Induced Growth Suppression of B Lymphocytes and the Hormone Receptor-Mediated Transactivation. <i>Journal of Immunology</i> , 2006, 177, 1160-1170.	0.8	38
21	KrÄ1/4ppel-Associated Box-Associated Protein 1 Negatively Regulates TNF-Î±-Induced NF-Î²B Transcriptional Activity by Influencing the Interactions among STAT3, p300, and NF-Î²B/p65. <i>Journal of Immunology</i> , 2011, 187, 2476-2483.	0.8	37
22	Inhibitory effects of azole-type fungicides on interleukin-17 gene expression via retinoic acid receptor-related orphan receptors Î± and Î². <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 338-345.	2.8	36
23	BART is essential for nuclear retention of STAT3. <i>International Immunology</i> , 2008, 20, 395-403.	4.0	33
24	Signal-Transducing Adaptor Protein-2 Regulates Stromal Cell-Derived Factor-1Î±-Induced Chemotaxis in T Cells. <i>Journal of Immunology</i> , 2009, 183, 7966-7974.	0.8	33
25	Involvement of STAP-2 in Brk-mediated phosphorylation and activation of STAT5 in breast cancer cells. <i>Cancer Science</i> , 2011, 102, 756-761.	3.9	33
26	STAP-2 Negatively Regulates both Canonical and Noncanonical NF-Î²B Activation Induced by Epstein-Barr Virus-Derived Latent Membrane Protein 1. <i>Molecular and Cellular Biology</i> , 2008, 28, 5027-5042.	2.3	31
27	BS69 negatively regulates the canonical NF-Î²B activation induced by Epstein-Barr virus-derived LMP1. <i>FEBS Letters</i> , 2009, 583, 1567-1574.	2.8	31
28	Zipper-interacting Protein Kinase (ZIPK) Modulates Canonical Wnt/Î²-Catenin Signaling through Interaction with Nemo-like Kinase and T-cell Factor 4 (NLK/TCF4). <i>Journal of Biological Chemistry</i> , 2011, 286, 19170-19177.	3.4	27
29	Design and Synthesis of Cyclopropane Congeners of Resolvin E2, an Endogenous Proresolving Lipid Mediator, as Its Stable Equivalents. <i>Organic Letters</i> , 2016, 18, 6224-6227.	4.6	26
30	The exon-junction complex proteins, Y14 and MAGOH regulate STAT3 activation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 63-68.	2.1	25
31	Physical and functional interactions between Daxx and TSG101. <i>Biochemical and Biophysical Research Communications</i> , 2004, 316, 827-833.	2.1	24
32	STAP-2 interacts with and modulates BCR-ABL-mediated tumorigenesis. <i>Oncogene</i> , 2012, 31, 4384-4396.	5.9	24
33	Phosphorylation of threonine-265 in Zipper-interacting protein kinase plays an important role in its activity and is induced by IL-6 family cytokines. <i>Immunology Letters</i> , 2006, 103, 127-134.	2.5	23
34	Tyk2 deficiency protects joints against destruction in anti-type II collagen antibody-induced arthritis in mice. <i>International Immunology</i> , 2011, 23, 575-582.	4.0	23
35	Isoflavones enhance interleukin-17 gene expression via retinoic acid receptor-related orphan receptors Î± and Î². <i>Toxicology</i> , 2015, 329, 32-39.	4.2	23
36	Physical and functional interactions between Daxx and STAT3. <i>Oncogene</i> , 2006, 25, 2131-2136.	5.9	22

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37	An RNA binding protein, Y14 interacts with and modulates STAT3 activation. Biochemical and Biophysical Research Communications, 2008, 372, 475-479.	2.1	22
38	STAP-2 protein promotes prostate cancer growth by enhancing epidermal growth factor receptor stabilization. Journal of Biological Chemistry, 2017, 292, 19392-19399.	3.4	22
39	Nuclear retention of STAT3 through the coiled-coil domain regulates its activity. Biochemical and Biophysical Research Communications, 2005, 336, 617-624.	2.1	21
40	STAP-2 regulates c-Fms/M-CSF receptor signaling in murine macrophage Raw 264.7 cells. Biochemical and Biophysical Research Communications, 2007, 358, 931-937.	2.1	21
41	The IL-6 family of cytokines modulates STAT3 activation by desumoylation of PML through SENP1 induction. Biochemical and Biophysical Research Communications, 2008, 371, 823-828.	2.1	21
42	Signal-Transducing Adaptor Protein-2 Modulates Fas-Mediated T Cell Apoptosis by Interacting with Caspase-8. Journal of Immunology, 2012, 188, 6194-6204.	0.8	21
43	Signal-Transducing Adaptor Protein-2 Controls the IgE-Mediated, Mast Cell-Mediated Anaphylactic Responses. Journal of Immunology, 2014, 192, 3488-3495.	0.8	18
44	Biochanin A enhances ROR $\gamma$ activity through STAT3-mediated recruitment of NCOA1. Biochemical and Biophysical Research Communications, 2017, 489, 503-508.	2.1	18
45	A Novel $\alpha$ 9 Integrin Ligand, XCL1/Lymphotoxin, Is Involved in the Development of Murine Models of Autoimmune Diseases. Journal of Immunology, 2017, 199, 82-90.	0.8	17
46	IL-17 Expression Requires Both TYK2/STAT3 Activity and IL-17-Regulated mRNA Stabilization. ImmunoHorizons, 2019, 3, 172-185.	1.8	17
47	Signal transducer and activator of transcription 3 regulation by novel binding partners. World Journal of Biological Chemistry, 2015, 6, 324.	4.3	17
48	Current understanding of the role of tyrosine kinase 2 signaling in immune responses. World Journal of Biological Chemistry, 2022, 13, 1-14.	4.3	16
49	Y14 Positively Regulates TNF-Induced NF- $\kappa$ B Transcriptional Activity via Interacting RIP1 and TRADD Beyond an Exon Junction Complex Protein. Journal of Immunology, 2013, 191, 1436-1444.	0.8	15
50	Limitin, an interferon-like cytokine, transduces inhibitory signals on B-cell growth through activation of Tyk2, but not Stat1, followed by induction and nuclear translocation of Daxx. Experimental Hematology, 2003, 31, 1317-1322.	0.4	14
51	BS69 cooperates with TRAF3 in the regulation of Epstein-Barr virus-derived LMP1/CTAR1-induced NF- $\kappa$ B activation. FEBS Letters, 2010, 584, 865-872.	2.8	14
52	Signal-transducing adapter protein-1 is required for maintenance of leukemic stem cells in CML. Oncogene, 2020, 39, 5601-5615.	5.9	14
53	Design and Synthesis of Benzene Congeners of Resolvin E2, a Proresolving Lipid Mediator, as Its Stable Equivalents. ACS Medicinal Chemistry Letters, 2020, 11, 479-484.	2.8	14
54	Daxx enhances Fas-mediated apoptosis in a murine pro-B cell line, BAF3. FEBS Letters, 2003, 540, 223-228.	2.8	13

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55	Enhanced c-Fms/M-CSF Receptor Signaling and Wound-Healing Process in Bone Marrow-Derived Macrophages of Signal-Transducing Adaptor Protein-2 (STAP-2) Deficient Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1790-1793.	1.4	13
56	The protein content of an adaptor protein, STAP-2 is controlled by E3 ubiquitin ligase Cbl. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 187-192.	2.1	13
57	Signal-transducing adaptor protein-2 regulates macrophage migration into inflammatory sites during dextran sodium sulfate induced colitis. <i>European Journal of Immunology</i> , 2014, 44, 1791-1801.	2.9	13
58	Synthesis of Resolvin E3, a Proresolving Lipid Mediator, and Its Deoxy Derivatives: Identification of 18-Deoxy-resolvin E3 as a Potent Anti-Inflammatory Agent. <i>Journal of Organic Chemistry</i> , 2020, 85, 14190-14200.	3.2	12
59	Therapeutic Advantage of Tyk2 Inhibition for Treating Autoimmune and Chronic Inflammatory Diseases. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1585-1592.	1.4	12
60	A New STAT3-binding Partner, ARL3, Enhances the Phosphorylation and Nuclear Accumulation of STAT3. <i>Journal of Biological Chemistry</i> , 2016, 291, 11161-11171.	3.4	11
61	STAP-2 interacts with Pyk2 and enhances Pyk2 activity in T-cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 81-87.	2.1	11
62	Dimethyl fumarate dampens IL-17-ACT1-TBK1 axis-mediated phosphorylation of Regnase-1 and suppresses IL-17-induced $\text{IL-1}\beta$ expression. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 957-963.	2.1	11
63	PML suppresses IL-6-induced STAT3 activation by interfering with STAT3 and HDAC3 interaction. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 366-371.	2.1	10
64	STAP-2 Protein Expression in B16F10 Melanoma Cells Positively Regulates Protein Levels of Tyrosinase, Which Determines Organs to Infiltrate in the Body. <i>Journal of Biological Chemistry</i> , 2015, 290, 17462-17473.	3.4	10
65	Tyrosine Kinase 2 Interacts with and Phosphorylates Receptor for Activated C Kinase-1, a WD Motif-Containing Protein. <i>Journal of Immunology</i> , 2004, 173, 1151-1157.	0.8	9
66	Synthesis of Chiral <i>cis</i> -Cyclopropane Bearing Indole and Chromone as Potential $\text{TNF}\alpha$ Inhibitors. <i>Journal of Organic Chemistry</i> , 2018, 83, 7672-7682.	3.2	9
67	The mechanism of Tyk2 deficiency-induced immunosuppression in mice involves robust IL-10 production in macrophages. <i>Cytokine</i> , 2020, 130, 155077.	3.2	9
68	Functional involvement of Daxx in gp130-mediated cell growth and survival in BaF3 cells. <i>European Journal of Immunology</i> , 2010, 40, 3570-3580.	2.9	8
69	Jun Activation Domain-binding Protein 1 (JAB1) Is Required for the Optimal Response to Interferons. <i>Journal of Biological Chemistry</i> , 2013, 288, 30969-30979.	3.4	8
70	STAP-2 positively regulates Fc $\epsilon$ RI-mediated basophil activation and basophil-dependent allergic inflammatory reactions. <i>International Immunology</i> , 2019, 31, 349-356.	4.0	8
71	Propolis suppresses cytokine production in activated basophils and basophil-mediated skin and intestinal allergic inflammation in mice. <i>Allergy International</i> , 2021, 70, 360-367.	3.3	8
72	Synthesis of Resolvin E1 and Its Conformationally Restricted Cyclopropane Congeners with Potent Anti-Inflammatory Effect. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 256-261.	2.8	8

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73	Expression of signal-transducing adaptor protein-1 attenuates experimental autoimmune hepatitis via down-regulating activation and homeostasis of invariant natural killer T cells. PLoS ONE, 2020, 15, e0241440.	2.5	8
74	Hapten-induced contact hypersensitivity is enhanced in Tyk2-deficient mice. Journal of Dermatological Science, 2004, 36, 51-56.	1.9	7
75	Signal-transducing adaptor protein-2 delays recovery of B lineage lymphocytes during hematopoietic stress. Haematologica, 2021, 106, 424-436.	3.5	7
76	Effects of benzotriazole UV stabilizers, UV-PS and UV-P, on the differentiation of splenic regulatory T cells via aryl hydrocarbon receptor. Ecotoxicology and Environmental Safety, 2022, 238, 113549.	6.0	7
77	CD47 promotes T-cell lymphoma metastasis by up-regulating AKAP13-mediated RhoA activation. International Immunology, 2021, 33, 273-280.	4.0	6
78	Identification of RPL15 60S Ribosomal Protein as a Novel Topotecan Target Protein That Correlates with DAMP Secretion and Antitumor Immune Activation. Journal of Immunology, 2022, 209, 171-179.	0.8	6
79	STAP-2 Is a Novel Positive Regulator of TCR-Proximal Signals. Journal of Immunology, 2022, 209, 57-68.	0.8	6
80	The Novel $\beta$ 4B Murine $\beta$ 4 Integrin Protein Splicing Variant Inhibits $\beta$ 4 Protein-dependent Cell Adhesion. Journal of Biological Chemistry, 2014, 289, 16389-16398.	3.4	5
81	CCR7 is involved in BCR-ABL/STAP-2-mediated cell growth in hematopoietic Ba/F3 cells. Biochemical and Biophysical Research Communications, 2015, 463, 825-831.	2.1	5
82	Anti-IL-17A blocking antibody reduces cyclosporin A-induced relapse in experimental autoimmune encephalomyelitis mice. Biochemistry and Biophysics Reports, 2016, 8, 139-145.	1.3	5
83	Physical and functional interactions between ZIP kinase and Ubch5. Biochemical and Biophysical Research Communications, 2008, 372, 708-712.	2.1	4
84	Caspase-dependent cleavage regulates protein levels of Epstein-Barr virus-derived latent membrane protein 1. FEBS Letters, 2016, 590, 808-818.	2.8	4
85	Implication of NF- $\kappa$ B Activation on Ozone-Induced HO-1 Activation. BPB Reports, 2021, 4, 59-63.	0.3	4
86	Graft-versus-host disease develops in mice transplanted with lymphocyte-depleted bone marrow cells from signal-transducing adaptor protein-2 transgenic mice. Biochemical and Biophysical Research Communications, 2021, 537, 118-124.	2.1	4
87	Positive interactions between STAP-1 and BCR-ABL influence chronic myeloid leukemia cell proliferation and survival. Biochemical and Biophysical Research Communications, 2021, 556, 185-191.	2.1	4
88	Regulation of NFKBIZ gene promoter activity by STAT3, C/EBP $\beta$ , and STAT1. Biochemical and Biophysical Research Communications, 2022, 613, 61-66.	2.1	4
89	Kaposi's sarcoma-associated herpesvirus-encoded LANA associates with glucocorticoid receptor and enhances its transcriptional activities. Biochemical and Biophysical Research Communications, 2015, 463, 395-400.	2.1	3
90	Tyk2-mediated homeostatic control by regulating the PGE $_2$ -PKA-IL-10 axis. AIMS Allergy and Immunology, 2021, 5, 175-183.	0.5	3

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91	A novel intramolecular negative regulation of mouse Jak3 activity by tyrosine 820. International Immunology, 2022, , .	4.0	3
92	Silencing Mediator of Retinoic Acid and Thyroid Hormone Receptor Regulates Enhanced Activation of Signal Transducer and Activator of Transcription 3 by Epstein-Barr Virus-Derived Epstein-Barr Nuclear Antigen 2. Biological and Pharmaceutical Bulletin, 2009, 32, 1283-1285.	1.4	2
93	Porcine Placenta Extract Reduced Wrinkle Formation by Potentiating Epidermal Hydration. Journal of Cosmetics Dermatological Sciences and Applications, 2021, 11, 101-109.	0.2	2
94	5-Aminosalicylic Acid, A Weak Agonist for Aryl Hydrocarbon Receptor That Induces Splenic Regulatory T Cells. Pharmacology, 2022, 107, 28-34.	2.2	2
95	Signal-transducing adaptor protein-2 has a nonredundant role for IL-33-triggered mast cell activation. Biochemical and Biophysical Research Communications, 2021, 572, 80-85.	2.1	0
96	Physical and Functional interactions between Daxx and STAT3. FASEB Journal, 2006, 20, A533.	0.5	0
97	BS69 negatively regulates the canonical NF- $\kappa$ B activation induced by Epstein-Barr virus-derived LMP1. FASEB Journal, 2010, 24, 861.2.	0.5	0
98	KAP1 regulates TNF $\alpha$ -induced NF- $\kappa$ B transcriptional activity by influencing the interactions between p300 and NF- $\kappa$ B. FASEB Journal, 2010, 24, 705.4.	0.5	0
99	STAP-2 interacts with and modulates BCR-ABL-mediated tumorigenesis. FASEB Journal, 2012, 26, 1b182.	0.5	0
100	Y14 positively regulates TNF $\alpha$ -induced NF- $\kappa$ B transcriptional activity via interacting RIP1 and TRADD beyond an exon junction complex protein (1012.8). FASEB Journal, 2014, 28, 1012.8.	0.5	0
101	The Role of Signal-Transducing Adaptor Protein-2 in Early T Lymphopoiesis in Thymus. Blood, 2014, 124, 752-752.	1.4	0
102	Role of Signal Transducing Adaptor Protein-1 (STAP-1) in Chronic Myelogenous Leukemia Stem Cells. Blood, 2018, 132, 4245-4245.	1.4	0
103	Dimethyl fumarate regulates the IL-17- $\gamma$ -ACT1- $\beta$ axis-mediated $\beta$ expression by influencing the phosphorylation of Regnase-1. FASEB Journal, 2020, 34, 1-1.	0.5	0
104	Pivotal Role of Signal-Transducing Adaptor Protein-2 in Pathogenesis of Autoimmune Hepatitis. Biological and Pharmaceutical Bulletin, 2021, 44, 1898-1901.	1.4	0
105	Baicalein and <i>Salvia officinalis</i> Extract Upregulate Transglutaminase 1 mRNA Expression via the Activation of Transient Receptor Potential Channel V4. Journal of Cosmetics Dermatological Sciences and Applications, 2022, 12, 1-9.	0.2	0