

# Atsushi Kumanogoh

## List of Publications by Year in descending order

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118  
papers

5,095  
citations

117453

34  
h-index

98622

67  
g-index

125  
all docs

125  
docs citations

125  
times ranked

7391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Opposite response of lung adenocarcinoma and its choroidal metastases upon ramucirumab plus docetaxel therapy after immunotherapy: a case report. <i>Angiogenesis</i> , 2022, 25, 147-149.	3.7	2
2	Management of severe hypertension due to lenvatinib in patients with advanced thymic carcinoma. <i>Medicine (United States)</i> , 2022, 101, e28476.	0.4	2
3	Crosstalk between axon guidance signaling and bone remodeling. <i>Bone</i> , 2022, 157, 116305.	1.4	3
4	Proximal heat stress up-regulates angiopoietin-1 in fingers and reduces the severity of Raynaud's phenomenon in systemic sclerosis: a single-centre pilot study. <i>Modern Rheumatology</i> , 2022, 32, 351-357.	0.9	2
5	Case report: Acute exacerbation of interstitial pneumonia related to messenger RNA COVID-19 vaccination. <i>International Journal of Infectious Diseases</i> , 2022, 116, 255-257.	1.5	16
6	Degradation of the NOTCH intracellular domain by elevated autophagy in osteoblasts promotes osteoblast differentiation and alleviates osteoporosis. <i>Autophagy</i> , 2022, 18, 2323-2332.	4.3	30
7	Axon guidance molecules in immunometabolic diseases. <i>Inflammation and Regeneration</i> , 2022, 42, 5.	1.5	16
8	Factors affecting drug retention of Janus kinase inhibitors in patients with rheumatoid arthritis: the ANSWER cohort study. <i>Scientific Reports</i> , 2022, 12, 134.	1.6	18
9	Cell surface-expressed Ro52/IgG/HLA-DR complex is targeted by autoantibodies in patients with inflammatory myopathies. <i>Journal of Autoimmunity</i> , 2022, 126, 102774.	3.0	3
10	Anterior chamber flare and ciliochoroidal detachment using flare photometry and anterior segment optical coherence tomography in acute lupus choroidopathy: A case report. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 25, 101314.	0.4	0
11	A case of synchronous triple autoimmune disorders secondary to thymoma: Pure red cell aplasia, Good's syndrome, and thymoma-associated multi-organ autoimmunity. <i>Respiratory Medicine Case Reports</i> , 2022, 36, 101619.	0.2	3
12	Cell-Free DNA Derived From Neutrophils Triggers Type 1 Interferon Signature in Neuromyelitis Optica Spectrum Disorder. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2022, 9, .	3.1	15
13	Continuous Use of Etanercept During Pregnancy Does Not Affect TNF-Alpha Levels in Umbilical Cord Blood. <i>Biologics: Targets and Therapy</i> , 2022, Volume 16, 17-19.	3.0	0
14	The superiority of manual over automated methods in identifying bronchial trees on identical CT images. <i>Scientific Reports</i> , 2022, 12, 5416.	1.6	2
15	Marked increase of interferon- $\gamma^2$ after BNT162b2 mRNA vaccination: a case of polyarthritis with pleurisy. <i>BMJ Case Reports</i> , 2022, 15, e246533.	0.2	10
16	Identification of CD14 and lipopolysaccharide-binding protein as novel biomarkers for sarcoidosis using proteomics of serum extracellular vesicles. <i>International Immunology</i> , 2022, 34, 327-340.	1.8	5
17	Tetracyclines Enhance Anti-tumor T-Cell Responses Induced by a Bispecific T-Cell Engager. <i>Biological and Pharmaceutical Bulletin</i> , 2022, 45, 429-437.	0.6	2
18	Genetic architecture of microRNA expression and its link to complex diseases in the Japanese population. <i>Human Molecular Genetics</i> , 2022, 31, 1806-1820.	1.4	14

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19	Cellular and Humoral Immune Responses Induced by an HLA Class II-restricted Peptide Cancer Vaccine Targeting WT1 Are Associated With Favorable Clinical Outcomes in Advanced Ovarian Cancer. <i>Journal of Immunotherapy</i> , 2022, 45, 56-66.	1.2	8
20	Quantitative evaluation of emphysema for predicting immunotherapy response in patients with advanced non-small-cell lung cancer. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
21	Oral intake of silica nanoparticles exacerbates intestinal inflammation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 540-546.	1.0	23
22	Evasion of Innate Immunity Contributes to Small Cell Lung Cancer Progression and Metastasis. <i>Cancer Research</i> , 2021, 81, 1813-1826.	0.4	41
23	Drug retention of sarilumab, baricitinib, and tofacitinib in patients with rheumatoid arthritis: the ANSWER cohort study. <i>Clinical Rheumatology</i> , 2021, 40, 2673-2680.	1.0	13
24	Radioligand Assay-Based Detection of Antibodies against SARS-CoV-2 in Hospital Workers Treating Patients with Severe COVID-19 in Japan. <i>Viruses</i> , 2021, 13, 347.	1.5	3
25	Genetic determinants of risk in autoimmune pulmonary alveolar proteinosis. <i>Nature Communications</i> , 2021, 12, 1032.	5.8	26
26	Comparison of efficacy between anti-IL-6 receptor antibody and other biological disease-modifying antirheumatic drugs in the patients with rheumatoid arthritis who have knee joint involvement: the ANSWER cohort, retrospective study. <i>Rheumatology International</i> , 2021, 41, 1233-1241.	1.5	5
27	Large-scale plasma-metabolome analysis identifies potential biomarkers of psoriasis and its clinical subtypes. <i>Journal of Dermatological Science</i> , 2021, 102, 78-84.	1.0	15
28	Imaging Assessment of Tumor Response in the Era of Immunotherapy. <i>Diagnostics</i> , 2021, 11, 1041.	1.3	3
29	The lysosomal Ragulator complex plays an essential role in leukocyte trafficking by activating myosin II. <i>Nature Communications</i> , 2021, 12, 3333.	5.8	12
30	Loss of FCHSD1 leads to amelioration of chronic obstructive pulmonary disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
31	Neural guidance factors as hubs of immunometabolic cross-talk. <i>International Immunology</i> , 2021, 33, 749-754.	1.8	3
32	Anti-AQP4 autoantibodies promote ATP release from astrocytes and induce mechanical pain in rats. <i>Journal of Neuroinflammation</i> , 2021, 18, 181.	3.1	28
33	IL-33 Induces Sema4A Expression in Dendritic Cells and Exerts Antitumor Immunity. <i>Journal of Immunology</i> , 2021, 207, 1456-1467.	0.4	7
34	Cytomegalovirus infection in critically ill patients with COVID-19. <i>Journal of Infection</i> , 2021, 83, 496-522.	1.7	21
35	Longer Prehospitalization and Preintubation Periods in Intubated Non-survivors and ECMO Patients With COVID-19: A Systematic Review and Meta-Analysis. <i>Frontiers in Medicine</i> , 2021, 8, 727101.	1.2	2
36	Identification of conserved SARS-CoV-2 spike epitopes that expand public cTfh clonotypes in mild COVID-19 patients. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	24

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37	Impact of treatment timing and sequence of immune checkpoint inhibitors and anti-angiogenic agents for advanced non-small cell lung cancer: A systematic review and meta-analysis. <i>Lung Cancer</i> , 2021, 162, 175-184.	0.9	6
38	OCTA, a sensitive screening for asymptomatic retinopathy, raises alarm over systemic involvements in patients with SLE. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, e17-e17.	0.5	7
39	Metagenome-wide association study of gut microbiome revealed novel aetiology of rheumatoid arthritis in the Japanese population. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 103-111.	0.5	145
40	<sc>LRRK</sc> 2 regulates endoplasmic reticulumâ€“mitochondrial tethering through the <sc>PERK</sc> â€“mediated ubiquitination pathway. <i>EMBO Journal</i> , 2020, 39, e100875.	3.5	67
41	A Microfluidic Platform for Single Cell Fluorometric Granzyme B Profiling. <i>Theranostics</i> , 2020, 10, 123-132.	4.6	17
42	Combined small cell lung carcinoma harboring ALK rearrangement: A case report and literature review. <i>Thoracic Cancer</i> , 2020, 11, 3625-3630.	0.8	9
43	PlexinA1 deficiency in BALB/cAJ mice leads to excessive self-grooming and reduced prepulse inhibition. <i>IBRO Reports</i> , 2020, 9, 276-289.	0.3	3
44	Olig2-Induced Semaphorin Expression Drives Corticospinal Axon Retraction After Spinal Cord Injury. <i>Cerebral Cortex</i> , 2020, 30, 5702-5716.	1.6	17
45	Drug retention of 7 biologics and tofacitinib in biologics-naïve and biologics-switched patients with rheumatoid arthritis: the ANSWER cohort study. <i>Arthritis Research and Therapy</i> , 2020, 22, 142.	1.6	24
46	The spectrum of macrophage activation by immunometabolism. <i>International Immunology</i> , 2020, 32, 467-473.	1.8	26
47	Recovery from prolonged thrombocytopenia in patients with TAFRO syndrome: case series and literature review. <i>Modern Rheumatology Case Reports</i> , 2020, 4, 302-309.	0.3	4
48	Dysregulated Expression of the Nuclear Exosome Targeting Complex Component Rbm7 in Nonhematopoietic Cells Licenses the Development of Fibrosis. <i>Immunity</i> , 2020, 52, 542-556.e13.	6.6	33
49	Drug retention of secondary biologics or JAK inhibitors after tocilizumab or abatacept failure as first biologics in patients with rheumatoid arthritis -the ANSWER cohort study-. <i>Clinical Rheumatology</i> , 2020, 39, 2563-2572.	1.0	11
50	Immunotherapeutic potential of CD4 and CD8 single-positive T cells in thymic epithelial tumors. <i>Scientific Reports</i> , 2020, 10, 4064.	1.6	16
51	Tet DNA demethylase is required for plasma cell differentiation by controlling expression levels of IRF4. <i>International Immunology</i> , 2020, 32, 683-690.	1.8	10
52	Blockade of <i>N</i>-Glycosylation Promotes Antitumor Immune Response of T Cells. <i>Journal of Immunology</i> , 2020, 204, 1373-1385.	0.4	23
53	Real-Time Monitoring and Detection of Single-Cell Level Cytokine Secretion Using LSPR Technology. <i>Micromachines</i> , 2020, 11, 107.	1.4	15
54	Lipid nanoparticles of Type-A CpG D35 suppress tumor growth by changing tumor immune-microenvironment and activate CD8 T cells in mice. <i>Journal of Controlled Release</i> , 2019, 313, 106-119.	4.8	35

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55	PlexinA1 is crucial for the midline crossing of callosal axons during corpus callosum development in BALB/cAJ mice. PLoS ONE, 2019, 14, e0221440.	1.1	11
56	Drug tolerability and reasons for discontinuation of seven biologics in elderly patients with rheumatoid arthritis -The ANSWER cohort study-. PLoS ONE, 2019, 14, e0216624.	1.1	46
57	The COMMD3/8 complex determines GRK6 specificity for chemoattractant receptors. Journal of Experimental Medicine, 2019, 216, 1630-1647.	4.2	32
58	Drug tolerability and reasons for discontinuation of seven biologics in 4466 treatment courses of rheumatoid arthritis—the ANSWER cohort study. Arthritis Research and Therapy, 2019, 21, 91.	1.6	36
59	Transport of cellular misfolded proteins to the cell surface by HLA-B27 free heavy chain. Biochemical and Biophysical Research Communications, 2019, 511, 862-868.	1.0	3
60	Impact of sarcopenia in patients with advanced non-small cell lung cancer treated with PD-1 inhibitors: A preliminary retrospective study. Scientific Reports, 2019, 9, 2447.	1.6	116
61	Peripheral T cell cytotoxicity predicts T cell function in the tumor microenvironment. Scientific Reports, 2019, 9, 2636.	1.6	38
62	Development and validation of a deep-learning model for scoring of radiographic finger joint destruction in rheumatoid arthritis. Rheumatology Advances in Practice, 2019, 3, rkz047.	0.3	42
63	Ficolin-1 is a promising therapeutic target for autoimmune diseases. International Immunology, 2019, 31, 23-32.	1.8	28
64	Long-term outcomes of advanced thymoma in patients undergoing preoperative chemotherapy or chemoradiotherapy followed by surgery: a 20-year experience. Interactive Cardiovascular and Thoracic Surgery, 2019, 28, 360-367.	0.5	15
65	Lysosomal Protein Lamtor1 Controls Innate Immune Responses via Nuclear Translocation of Transcription Factor EB. Journal of Immunology, 2018, 200, 3790-3800.	0.4	16
66	<i>In vivo</i> visualisation of different modes of action of biological DMARDs inhibiting osteoclastic bone resorption. Annals of the Rheumatic Diseases, 2018, 77, annrhumdis-2017-212880.	0.5	16
67	The role of semaphorins in immune responses and autoimmune rheumatic diseases. Nature Reviews Rheumatology, 2018, 14, 19-31.	3.5	89
68	Selecting suitable chemotherapies for PD-1/PD-L1 blockade to optimize the tumor immune microenvironment. Oncotarget, 2018, 9, 32552-32553.	0.8	4
69	Eukaryotic translation initiation factor 3 subunit C is associated with acquired resistance to erlotinib in non-small cell lung cancer. Oncotarget, 2018, 9, 37520-37533.	0.8	7
70	Tracheobronchopathia Osteochondroplastica: A Cause of Difficult Tracheal Intubation. Internal Medicine, 2018, 57, 909-910.	0.3	6
71	Semaphorin 7A promotes EGFR-TKI resistance in EGFR mutant lung adenocarcinoma cells. JCI Insight, 2018, 3, .	2.3	26
72	Integration of genetics and miRNA target gene network identified disease biology implicated in tissue specificity. Nucleic Acids Research, 2018, 46, 11898-11909.	6.5	39

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73	Semaphorin 6D reverse signaling controls macrophage lipid metabolism and anti-inflammatory polarization. <i>Nature Immunology</i> , 2018, 19, 561-570.	7.0	90
74	Apoptosis-derived membrane vesicles drive the cGAS-STING pathway and enhance type I IFN production in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1507-1515.	0.5	164
75	Electrochemiluminescence-based Monitoring of Activated Human Neutrophils Using Luminol Derivative Immobilized onto Screen-printed Electrodes. <i>Chemistry Letters</i> , 2018, 47, 1337-1340.	0.7	5
76	Drug retention and discontinuation reasons between seven biologics in patients with rheumatoid arthritis -The ANSWER cohort study-. <i>PLoS ONE</i> , 2018, 13, e0194130.	1.1	65
77	Roles of Lamtor1 in Macrophages, CD4+ T-cells, and Regulatory T-cells. <i>Critical Reviews in Immunology</i> , 2018, 38, 403-414.	1.0	3
78	A Critical Role of Host-Derived Semaphorin-4A for Regulating T Cell Immune Responses in Acute Graft Versus Host Disease. <i>Blood</i> , 2018, 132, 3322-3322.	0.6	0
79	Semaphorin 4D inhibits neutrophil activation and is involved in the pathogenesis of neutrophil-mediated autoimmune vasculitis. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 1440-1448.	0.5	57
80	Trastuzumab emtansine suppresses the growth of HER2-positive small-cell lung cancer in preclinical models. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 596-602.	1.0	9
81	BATF2 inhibits immunopathological Th17 responses by suppressing Il23a expression during <i>Trypanosoma cruzi</i> infection. <i>Journal of Experimental Medicine</i> , 2017, 214, 1313-1331.	4.2	52
82	CUBIC pathology: three-dimensional imaging for pathological diagnosis. <i>Scientific Reports</i> , 2017, 7, 9269.	1.6	110
83	Control of species-dependent cortico-motoneuronal connections underlying manual dexterity. <i>Science</i> , 2017, 357, 400-404.	6.0	92
84	Lamtor1 Is Critically Required for CD4+ T Cell Proliferation and Regulatory T Cell Suppressive Function. <i>Journal of Immunology</i> , 2017, 199, 2008-2019.	0.4	16
85	Fungal ITS1 Deep-Sequencing Strategies to Reconstruct the Composition of a 26-Species Community and Evaluation of the Gut Mycobiota of Healthy Japanese Individuals. <i>Frontiers in Microbiology</i> , 2017, 8, 238.	1.5	79
86	Characterizing Semaphorin-Mediated Immune Responses Using an Antigen-Presentation Assay. <i>Methods in Molecular Biology</i> , 2017, 1493, 379-391.	0.4	0
87	Dysbiosis Contributes to Arthritis Development via Activation of Autoreactive T Cells in the Intestine. <i>Arthritis and Rheumatology</i> , 2016, 68, 2646-2661.	2.9	463
88	LRRK1 is critical in the regulation of B-cell responses and CARMA1-dependent NF- $\kappa$ B activation. <i>Scientific Reports</i> , 2016, 6, 25738.	1.6	26
89	Syndecan-4 as a biomarker to predict clinical outcome for glioblastoma multiforme treated with WT1 peptide vaccine. <i>Future Science OA</i> , 2016, 2, FSO96.	0.9	15
90	CAPS1 RNA Editing Promotes Dense Core Vesicle Exocytosis. <i>Cell Reports</i> , 2016, 17, 2004-2014.	2.9	33

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91	Polarization of M2 macrophages requires Lamtor1 that integrates cytokine and amino-acid signals. <i>Nature Communications</i> , 2016, 7, 13130.	5.8	114
92	Structure of the Plexin Ectodomain Bound by Semaphorin-Mimicking Antibodies. <i>PLoS ONE</i> , 2016, 11, e0156719.	1.1	21
93	CD72 negatively regulates mouse mast cell functions and down-regulates the expression of KIT and FcγRI. <i>International Immunology</i> , 2015, 27, 95-103.	1.8	12
94	Favorable response to trastuzumab plus irinotecan combination therapy in two patients with HER2-positive relapsed small-cell lung cancer. <i>Lung Cancer</i> , 2015, 87, 321-325.	0.9	4
95	Semaphorin-Plexin Signaling Controls Mitotic Spindle Orientation during Epithelial Morphogenesis and Repair. <i>Developmental Cell</i> , 2015, 33, 299-313.	3.1	56
96	mTOR Complex Signaling through the SEMA4A-Plexin B2 Axis Is Required for Optimal Activation and Differentiation of CD8+ T Cells. <i>Journal of Immunology</i> , 2015, 195, 934-943.	0.4	39
97	Germline variants in the SEMA4A gene predispose to familial colorectal cancer type X. <i>Nature Communications</i> , 2014, 5, 5191.	5.8	51
98	Community-acquired, hospital-acquired, and healthcare-associated pneumonia caused by <i>Pseudomonas aeruginosa</i> . <i>Respiratory Medicine Case Reports</i> , 2014, 12, 30-33.	0.2	29
99	Comprehensive exploration of autoantibody in Behçet's disease: A novel autoantibody to claudin-1, an essential protein for tight junctions, is identified. <i>Joint Bone Spine</i> , 2014, 81, 546-548.	0.8	1
100	Rapidly progressive pneumonia caused by <i>Cryptococcus neoformans</i> in the patient of granulomatosis with polyangiitis. <i>Respiratory Medicine Case Reports</i> , 2014, 13, 13-15.	0.2	0
101	Immunological functions of the neuropilins and plexins as receptors for semaphorins. <i>Nature Reviews Immunology</i> , 2013, 13, 802-814.	10.6	178
102	Semaphorins in bone development, homeostasis, and disease. <i>Seminars in Cell and Developmental Biology</i> , 2013, 24, 163-171.	2.3	75
103	CD72 regulates the growth of KIT-mutated leukemia cell line Kasumi-1. <i>Scientific Reports</i> , 2013, 3, 2861.	1.6	10
104	Intestinal Epithelial Cell-Derived Semaphorin 7A Negatively Regulates Development of Colitis via $\beta$ 1 Integrin. <i>Journal of Immunology</i> , 2012, 188, 1108-1116.	0.4	66
105	Semaphorins guide the entry of dendritic cells into the lymphatics by activating myosin II. <i>Nature Immunology</i> , 2010, 11, 594-600.	7.0	188
106	Integral roles of a guanine nucleotide exchange factor, FARP2, in osteoclast podosome rearrangements. <i>FASEB Journal</i> , 2010, 24, 4782-4792.	0.2	10
107	The study of cytokines by Japanese researchers: a historical perspective. <i>International Immunology</i> , 2010, 22, 341-345.	1.8	1
108	Involvement of semaphorins and their receptors in neurological diseases. <i>Clinical and Experimental Neuroimmunology</i> , 2010, 1, 33-45.	0.5	5

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109	Semaphorin 7A initiates T-cell-mediated inflammatory responses through $\alpha 1 \beta 1$ integrin. <i>Nature</i> , 2007, 446, 680-684.	13.7	273
110	Defective Activation of Phospholipase $C\beta 2$ by Collagen in Platelets Lacking the Semaphorin Family Member, Sema4D. <i>Blood</i> , 2007, 110, 417-417.	0.6	2
111	Plexin-A1 and its interaction with DAP12 in immune responses and bone homeostasis. <i>Nature Cell Biology</i> , 2006, 8, 615-622.	4.6	229
112	Requirement for CD100-CD72 interactions in fine-tuning of B-cell antigen receptor signaling and homeostatic maintenance of the B-cell compartment. <i>International Immunology</i> , 2005, 17, 1277-1282.	1.8	57
113	Dual roles of Sema6D in cardiac morphogenesis through region-specific association of its receptor, Plexin-A1, with off-track and vascular endothelial growth factor receptor type 2. <i>Genes and Development</i> , 2004, 18, 435-447.	2.7	249
114	Guidance of myocardial patterning in cardiac development by Sema6D reverse signalling. <i>Nature Cell Biology</i> , 2004, 6, 1204-1211.	4.6	181
115	Immune semaphorins: a new area of semaphorin research. <i>Journal of Cell Science</i> , 2003, 116, 3463-3470.	1.2	75
116	Roles of the Semaphorin Family in Immune Regulation. <i>Advances in Immunology</i> , 2003, 81, 173-198.	1.1	37
117	Requirement for the Lymphocyte Semaphorin, CD100, in the Induction of Antigen-Specific T Cells and the Maturation of Dendritic Cells. <i>Journal of Immunology</i> , 2002, 169, 1175-1181.	0.4	144
118	Class IV semaphorin Sema4A enhances T-cell activation and interacts with Tim-2. <i>Nature</i> , 2002, 419, 629-633.	13.7	286