

# Tsutomu Kawabe

## List of Publications by Year in descending order

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106  
papers

3,810  
citations

172457  
29  
h-index

128289  
60  
g-index

106  
all docs

106  
docs citations

106  
times ranked

5116  
citing authors

#	ARTICLE	IF	CITATIONS
1	The immune responses in CD40-deficient mice: Impaired immunoglobulin class switching and germinal center formation. <i>Immunity</i> , 1994, 1, 167-178.	14.3	1,045
2	Endothelialâ€“Mesenchymal Transition in Bleomycin-Induced Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2010, 43, 161-172.	2.9	356
3	Protective Role of CD40 in <i>Leishmania major</i> Infection at Two Distinct Phases of Cell-Mediated Immunity. <i>Immunity</i> , 1996, 4, 275-281.	14.3	286
4	SHIP Recruitment Attenuates FcÎ³RIIB-Induced B Cell Apoptosis. <i>Immunity</i> , 1999, 10, 753-760.	14.3	206
5	KrÃ¼ppel-Like Factor 6 Is Frequently Down-Regulated and Induces Apoptosis in Non-Small Cell Lung Cancer Cells. <i>Cancer Research</i> , 2004, 64, 3838-3843.	0.9	147
6	Protective effects of intratracheally administered quercetin on lipopolysaccharide-induced acute lung injury. <i>Respiratory Research</i> , 2014, 15, 150.	3.6	76
7	Attenuation of Transforming Growth Factorâ€“Î²â€“Stimulated Collagen Production in Fibroblasts by Quercetin-Induced Heme Oxygenaseâ€“1. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 614-620.	2.9	74
8	Comparison of salivary cortisol, heart rate, and oxygen saturation between early skin-to-skin contact with different initiation and duration times in healthy, full-term infants. <i>Early Human Development</i> , 2011, 87, 151-157.	1.8	62
9	Evaluation of interferon-Î³, interferon-Î³-inducing cytokines, and interferon-Î³â€“inducible chemokines in tuberculous pleural effusions. <i>Translational Research</i> , 2005, 145, 88-93.	2.3	61
10	The usefulness of casein-specific IgE and IgG4 antibodies in cow's milk allergic children. <i>Clinical and Molecular Allergy</i> , 2012, 10, 1.	1.8	58
11	CD40 Plays a Crucial Role in Lipopolysaccharide-Induced Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 30, 808-815.	2.9	57
12	Ppm level methane detection using micro-thermoelectric gas sensors with Pd/Al <sub>2</sub> O <sub>3</sub> combustion catalyst films. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 488-494.	7.8	49
13	CD40/CD40 ligand interactions in immune responses and pulmonary immunity. <i>Nagoya Journal of Medical Science</i> , 2011, 73, 69-78.	0.3	49
14	Abolition of anti-glomerular basement membrane antibody-mediated glomerulonephritis in FcÎ³R3-deficient mice. <i>European Journal of Immunology</i> , 2000, 30, 1182-1190.	2.9	48
15	T Cell Development in Mice Lacking All T Cell Receptor Î¶ Family Members (Î¶, Î¶, and FcÎµRIÎ³). <i>Journal of Experimental Medicine</i> , 1998, 187, 1093-1101.	8.5	47
16	Expression of macrophage-derived chemokine (MDC)/CCL22 in human lung cancer. <i>Cancer Immunology, Immunotherapy</i> , 2006, 55, 1320-1329.	4.2	44
17	T-Helper Type 1/T-Helper Type 2 Balance in Malignant Pleural Effusions Compared to Tuberculous Pleural Effusions. <i>Chest</i> , 2005, 128, 4030-4035.	0.8	41
18	Bystander Tumoricidal Effect and Gap Junctional Communication in Lung Cancer Cell Lines. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 205-212.	2.9	40

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19	Interstitial lung disease associated with gefitinib. <i>Respiratory Medicine</i> , 2006, 100, 698-704.	2.9	40
20	Quercetin protects against pulmonary oxidant stress via heme oxygenase-1 induction in lung epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 169-174.	2.1	39
21	Cinnabarinic acid generated from 3-hydroxyanthranilic acid strongly induces apoptosis in thymocytes through the generation of reactive oxygen species and the induction of caspase. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 42-53.	2.6	38
22	Gene Transfer of Herpes Simplex Virus Type I Thymidine Kinase Gene as a Drug Sensitivity Gene into Human Lung Cancer Cell Lines Using Retroviral Vectors. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 8, 655-661.	2.9	37
23	Effect of erythromycin on matrix metalloproteinase-9 and cell migration. <i>Translational Research</i> , 2001, 137, 176-183.	2.3	37
24	Heme oxygenase-1 mediates the anti-allergic actions of quercetin in rodent mast cells. <i>Inflammation Research</i> , 2009, 58, 705-715.	4.0	35
25	Wavelength Dependence of Ultrahigh-Resolution Optical Coherence Tomography Using Supercontinuum for Biomedical Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-15.	2.9	35
26	Involvement of the transcription factor twist in phenotype alteration through epithelialâ€mesenchymal transition in lung cancer cells. <i>Molecular Carcinogenesis</i> , 2012, 51, 400-410.	2.7	34
27	Hypoxia-induced modulation of PTEN activity and EMT phenotypes in lung cancers. <i>Cancer Cell International</i> , 2016, 16, 33.	4.1	33
28	Successful re-treatment with gefitinib for carcinomatous meningitis as disease recurrence of non-small-cell lung cancer. <i>Lung Cancer</i> , 2006, 53, 387-390.	2.0	32
29	Peptide array-based analysis of the specific IgE and IgG4 in cow's milk allergens and its use in allergy evaluation. <i>Peptides</i> , 2009, 30, 1840-1847.	2.4	29
30	Induction of antitumor immunity by transduction of CD40 ligand gene and interferon- $\gamma$ gene into lung cancer. <i>Cancer Gene Therapy</i> , 2001, 8, 421-429.	4.6	28
31	Postoperative muscle proteolysis affects systemic muscle weakness in patients undergoing cardiac surgery. <i>International Journal of Cardiology</i> , 2014, 172, 595-597.	1.7	28
32	Th1/Th2 Immune Response in Lung Fibroblasts in Interstitial Lung Disease. <i>Archives of Medical Research</i> , 2008, 39, 503-510.	3.3	27
33	Involvement of Heme Oxygenase-1 in Kaempferol-Induced Anti-Allergic Actions in RBL-2H3 Cells. <i>Inflammation</i> , 2009, 32, 99-108.	3.8	26
34	Predictors of surgery-induced muscle proteolysis in patients undergoing cardiac surgery. <i>Journal of Cardiology</i> , 2016, 68, 536-541.	1.9	26
35	Pulmonary Infectious Complications Associated with Anti-TNF.ALPHA. Therapy (Infliximab) for Rheumatoid Arthritis. <i>Internal Medicine</i> , 2006, 45, 685-688.	0.7	25
36	Modulation of immunological activity on macrophages induced by diazinon. <i>Toxicology</i> , 2017, 379, 22-30.	4.2	25

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37	The Suppressive Effect of Quercetin on Toll-Like Receptor 7-Mediated Activation in Alveolar Macrophages. <i>Pharmacology</i> , 2015, 96, 201-209.	2.2	22
38	Enhancement of tumoricidal activity of alveolar macrophages via CD40-CD40 ligand interaction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 277, L49-L57.	2.9	21
39	High-affinity uptake of kynurenine and nitric oxide-mediated inhibition of indoleamine 2,3-dioxygenase in bone marrow-derived myeloid dendritic cells. <i>Immunology Letters</i> , 2008, 116, 95-102.	2.5	21
40	Differential modulation of surfactant protein D under acute and persistent hypoxia in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L43-L53.	2.9	19
41	Repressive role of stabilized hypoxia inducible factor 1 $\alpha$ expression on transforming growth factor $\beta$ -induced extracellular matrix production in lung cancer cells. <i>Cancer Science</i> , 2019, 110, 1959-1973.	3.9	19
42	Fibroblasts positive for meflin have anti-fibrotic properties in pulmonary fibrosis. <i>European Respiratory Journal</i> , 2021, 58, 2003397.	6.7	19
43	Involvement of TGF $\beta$ 2-Induced Phosphorylation of the PTEN C-Terminus on TGF $\beta$ 2-Induced Acquisition of Malignant Phenotypes in Lung Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e81133.	2.5	18
44	Catheter flow sensor with temperature compensation for tracheal intubation tube system. <i>Sensors and Actuators A: Physical</i> , 2014, 215, 155-160.	4.1	18
45	Respiration and heartbeat signal detection from airflow at airway in rat by catheter flow sensor with temperature compensation function. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 125016.	2.6	17
46	Micromachined catheter flow sensor and its applications in breathing measurements in animal experiments. <i>Microsystem Technologies</i> , 2014, 20, 505-513.	2.0	16
47	Erythromycin-induced CXCR4 expression on microvascular endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L420-L431.	2.9	15
48	Inspiratory capacity as a preoperative assessment of patients undergoing thoracic surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012, 14, 560-564.	1.1	15
49	Development of peptide arrays for detection of IgE-binding epitopes in cow's milk allergens. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 324-330.	2.2	14
50	Catheter type thermal flow sensor with small footprint for measuring breathing function. <i>Microsystem Technologies</i> , 2018, 24, 3455-3465.	2.0	14
51	Diazotization of kynurenine by acidified nitrite secreted from indoleamine 2,3-dioxygenase-expressing myeloid dendritic cells. <i>Journal of Immunological Methods</i> , 2008, 332, 162-169.	1.4	13
52	DR1-like element in human topoisomerase II $\alpha$ gene involved in enhancement of etoposide-induced apoptosis by PPAR $\gamma$ ligand. <i>Experimental Hematology</i> , 2003, 31, 300-308.	0.4	10
53	An influence of Interferon- $\gamma$ gene polymorphisms on treatment response to tuberculosis in Japanese population. <i>Journal of Infection</i> , 2009, 58, 467-469.	3.3	10
54	Development of implantable catheter flow sensor into inside of bronchi for laboratory animal. <i>Microsystem Technologies</i> , 2017, 23, 175-185.	2.0	10

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55	Heartbeat Signal Detection From Analysis of Airflow in Rat Airway Under Different Depths of Anaesthesia Conditions. IEEE Sensors Journal, 2017, 17, 4369-4377.	4.7	10
56	Advancements in MEMS technology for medical applications: microneedles and miniaturized sensors. Japanese Journal of Applied Physics, 2022, 61, SA0803.	1.5	10
57	Aqueous fraction of <i>Sauropus androgynus</i> might be responsible for bronchiolitis obliterans. Respiriology, 2013, 18, 340-347.	2.3	9
58	Direct regulation of transforming growth factor $\beta$ -induced epithelial-mesenchymal transition by the protein phosphatase activity of unphosphorylated PTEN in lung cancer cells. Cancer Science, 2015, 106, 1693-1704.	3.9	9
59	Perfusion and Ventilation Isotope Lung Scans in Constrictive Bronchiolitis obliterans. Respiration, 2002, 69, 550-555.	2.6	8
60	Macrophage-derived chemokine in malignant and tuberculous pleural effusions. Respiriology, 2007, 12, 581-584.	2.3	8
61	Ghrelin and obestatin promote the allergic action in rat peritoneal mast cells as basic secretagogues. Peptides, 2010, 31, 2109-2113.	2.4	8
62	Extraction of heartbeat signal from airflow at mouth by flow sensor. , 2015, , .		8
63	Characterization of basket-forceps-type micro-flow-sensor for breathing measurements in small airway. Microsystem Technologies, 2017, 23, 5397-5406.	2.0	8
64	Exogenous induction of unphosphorylated PTEN reduces TGF $\beta$ -induced extracellular matrix expressions in lung fibroblasts. Wound Repair and Regeneration, 2017, 25, 86-97.	3.0	8
65	Critical involvement of CD40 in protection against herpes simplex virus infection in a murine model of genital herpes. Archives of Virology, 2002, 147, 187-194.	2.1	7
66	Differential TH1/TH2 Chemokine Expression in Interstitial Pneumonia. American Journal of the Medical Sciences, 2010, 339, 41-48.	1.1	7
67	Up-Regulation of Surfactant Protein Production in a Mouse Model of Secondary Pulmonary Alveolar Proteinosis. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 536-542.	2.9	6
68	Development of Small-Footprint Thermal Sensor Detecting Airflow at Mouth in Baby. Proceedings (mdpi), 2017, 1, .	0.2	6
69	Analysis of measurement conditions for detecting change in vital signs with catheter flow sensor. Journal of Micromechanics and Microengineering, 2018, 28, 105015.	2.6	6
70	Development of micromachined flow sensor for drip infusion system. Microsystem Technologies, 2020, 26, 3677-3683.	2.0	6
71	Effect of Gene Transfer of Tumor Necrosis Factor Receptors into Human Lung Carcinoma Cell Line. Japanese Journal of Cancer Research, 1998, 89, 589-596.	1.7	5
72	SpiroVest. , 2013, , .		5

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73	Development of tube flow sensor by using film transfer technology and its application to in situ breathing and surface image evaluation in airways. <i>Microsystem Technologies</i> , 2018, 24, 3417-3424.	2.0	5
74	Development of sensor-probe system with function of measuring flow and pressure for evaluating breathing property at airway in lungs. <i>Microsystem Technologies</i> , 2021, 27, 3935-3942.	2.0	5
75	Integration of catheter flow sensor onto tracheal intubation tube system. , 2013, , .		4
76	An e-Textile-based wearable spirometer and its adaptability for context changes depending on sweat and meal. , 2013, , .		4
77	Micromachined Tube Type Thermal Flow Sensor for Adult-Sized Tracheal Intubation Tube. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	4
78	A micro-machined flow sensor formed on copper on a polyimide substrate and its application to respiration measurement. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SDDL07.	1.5	4
79	Micro-machined respiratory monitoring system development for artificial ventilator in animal experiment. <i>Microsystem Technologies</i> , 2020, 26, 3715-3724.	2.0	4
80	Micro-machined stent flow sensor for detecting breathing and heartbeat from airflow in airway of rat. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 025006.	2.6	4
81	Observation of Fine Lung Structure by Ultrahigh-Resolution Optical Coherence Tomography Using 800, 1060, and 1300 nm Supercontinua. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 047001.	1.5	3
82	Measurement of breathing characteristic in mouse during inhaling drug. , 2012, , .		3
83	Mouse NC/Jic strain provides novel insights into host genetic factors for malaria research. <i>Experimental Animals</i> , 2019, 68, 243-255.	1.1	3
84	Involvement of heme oxygenase-1 in suppression of T cell activation by quercetin. <i>Immunopharmacology and Immunotoxicology</i> , 2020, 42, 295-305.	2.4	3
85	Detection of loci for allergic asthma using SMXA recombinant inbred strains of mice. <i>Immunogenetics</i> , 2013, 65, 17-24.	2.4	2
86	Implantable catheter flow sensor with legs in air passage for laboratory animal. , 2014, , .		2
87	Integration of flow sensor and optical fiberscope for in-situ breathing and surface image evaluations in small airway. , 2017, , .		2
88	Miniaturization of Respiratory Measurement System in Artificial Ventilator for Small Animal Experiments to Reduce Dead Space and Its Application to Lung Elasticity Evaluation. <i>Sensors</i> , 2021, 21, 5123.	3.8	2
89	The Roles Of CD40 And CD23 In IgE Regulation. <i>Advances in Experimental Medicine and Biology</i> , 1996, 409, 349-354.	1.6	2
90	Respiratory Volume Estimation by a Stretchable Textile Sensor. <i>Advances in Science and Technology</i> , 2012, 80, 136-141.	0.2	1

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91	Catheter flow sensor system and breathing measurements in rabbit. , 2012, , .		1
92	Integration of temperature detection onto catheter flow sensor for bronchoscope. , 2012, , .		1
93	Temperature-compensated catheter flow sensor and its application to breathing measurement in a mouse. , 2013, , .		1
94	Micromachined biocompatible catheter flow sensor with trench structure. , 2013, , .		1
95	Body temperature measurement based on breathing airflow for continuous monitoring of patient body condition during large scale disasters. Microsystem Technologies, 2019, 25, 4313-4321.	2.0	1
96	Screening of IgG-Fc Binding Peptides from Milk Protein Using Slide Glass Type-Exclusive Peptide Array. Kagaku Kogaku Ronbunshu, 2011, 37, 546-550.	0.3	1
97	Resistance to mutant KRAS-induced senescence in an hTERT/Cdk4-immortalized normal human bronchial epithelial cell line. Experimental Cell Research, 2022, 414, 113053.	2.6	1
98	Correlation of theophylline levels in rat exhaled breath and lung tissue after its intravenous injection. Journal of Breath Research, 2022, 16, 036003.	3.0	1
99	The Role Of Interleukin-17/Th17 In Human Interstitial Pneumonia. , 2011, , .		0
100	Wearable displacement sensor system based on elevating tube for measuring breathing pattern. , 2014, , .		0
101	Responsible time shorting of flexible thermal flow sensor for medical applications. , 2015, , .		0
102	Micro-Machineed Catheter Sensor Systematization for In-Situ Breathing and Optical Imaging Measurements in Bronchus Region in Lung System. , 2019, , .		0
103	Energy-less respiration monitoring device using thermo-sensitive film. Microsystem Technologies, 2020, 26, 489-497.	2.0	0
104	Development of Temperature-Compensated Catheter Flow Sensor for Measuring Reciprocating Air Flows in Bronchial Pathways. IEEJ Transactions on Sensors and Micromachines, 2014, 134, 126-131.	0.1	0
105	Medical Applications Based on MEMS Technologies. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 367-372.	0.2	0
106	Dependence of ultrahigh resolution optical coherence tomography using supercontinuum. , 2020, , .		0