Tsutomu Kawabe

List of Publications by Year
in descending order

106	3,810	172386 29	128225 60
papers	citations	h-index	g-index

106	106	106	5116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advancements in MEMS technology for medical applications: microneedles and miniaturized sensors. Japanese Journal of Applied Physics, 2022, 61, SA0803.	0.8	10
2	Resistance to mutant KRAS-induced senescence in an hTERT/Cdk4-immortalized normal human bronchial epithelial cell line. Experimental Cell Research, 2022, 414, 113053.	1.2	1
3	Correlation of theophylline levels in rat exhaled breath and lung tissue after its intravenous injection. Journal of Breath Research, 2022, 16, 036003.	1.5	1
4	Fibroblasts positive for meflin have anti-fibrotic properties in pulmonary fibrosis. European Respiratory Journal, 2021, 58, 2003397.	3.1	19
5	Miniaturization of Respiratory Measurement System in Artificial Ventilator for Small Animal Experiments to Reduce Dead Space and Its Application to Lung Elasticity Evaluation. Sensors, 2021, 21, 5123.	2.1	2
6	Development of sensor-probe system with function of measuring flow and pressure for evaluating breathing property at airway in lungs. Microsystem Technologies, 2021, 27, 3935-3942.	1.2	5
7	Micro-machined stent flow sensor for detecting breathing and heartbeat from airflow in airway of rat. Journal of Micromechanics and Microengineering, 2021, 31, 025006.	1.5	4
8	Energy-less respiration monitoring device using thermo-sensitive film. Microsystem Technologies, 2020, 26, 489-497.	1.2	0
9	Involvement of heme oxygenase-1 in suppression of T cell activation by quercetin. Immunopharmacology and Immunotoxicology, 2020, 42, 295-305.	1.1	3
10	Development of micromachined flow sensor for drip infusion system. Microsystem Technologies, 2020, 26, 3677-3683.	1.2	6
11	Micro-machined respiratory monitoring system development for artificial ventilator in animal experiment. Microsystem Technologies, 2020, 26, 3715-3724.	1.2	4
12	Dependence of ultrahigh resolution optical coherence tomography using supercontinuum. , 2020, , .		0
13	Wavelength Dependence of Ultrahigh-Resolution Optical Coherence Tomography Using Supercontinuum for Biomedical Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-15.	1.9	35
14	A micro-machined flow sensor formed on copper on a polyimide substrate and its application to respiration measurement. Japanese Journal of Applied Physics, 2019, 58, SDDL07.	0.8	4
15	Repressive role of stabilized hypoxia inducible factor 1Î± expression on transforming growth factor Î²â€induced extracellular matrix production in lung cancer cells. Cancer Science, 2019, 110, 1959-1973.	1.7	19
16	Mouse NC/Jic strain provides novel insights into host genetic factors for malaria research. Experimental Animals, 2019, 68, 243-255.	0.7	3
17	Body temperature measurement based on breathing airflow for continuous monitoring of patient body condition during large scale disasters. Microsystem Technologies, 2019, 25, 4313-4321.	1.2	1
18	Micro-Machineed Catheter Sensor Systematization for In-Situ Breathing and Optical Imaging Measurements in Bronchus Region in Lung System. , 2019, , .		0

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19	Catheter type thermal flow sensor with small footprint for measuring breathing function. Microsystem Technologies, 2018, 24, 3455-3465.	1.2	14
20	Development of tube flow sensor by using film transfer technology and its application to in situ breathing and surface image evaluation in airways. Microsystem Technologies, 2018, 24, 3417-3424.	1.2	5
21	Analysis of measurement conditions for detecting change in vital signs with catheter flow sensor. Journal of Micromechanics and Microengineering, 2018, 28, 105015.	1.5	6
22	Development of implantable catheter flow sensor into inside of bronchi for laboratory animal. Microsystem Technologies, 2017, 23, 175-185.	1.2	10
23	Modulation of immunological activity on macrophages induced by diazinon. Toxicology, 2017, 379, 22-30.	2.0	25
24	Characterization of basket-forceps-type micro-flow-sensor for breathing measurements in small airway. Microsystem Technologies, 2017, 23, 5397-5406.	1.2	8
25	Exogenous induction of unphosphorylated PTEN reduces TGFÎ²â€induced extracellular matrix expressions in lung fibroblasts. Wound Repair and Regeneration, 2017, 25, 86-97.	1.5	8
26	Heartbeat Signal Detection From Analysis of Airflow in Rat Airway Under Different Depths of Anaesthesia Conditions. IEEE Sensors Journal, 2017, 17, 4369-4377.	2.4	10
27	Integration of flow sensor and optical fiberscope for in-situ breathing and surface image evaluations in small airway. , 2017, , .		2
28	Respiration and heartbeat signal detection from airflow at airway in rat by catheter flow sensor with temperature compensation function. Journal of Micromechanics and Microengineering, 2017, 27, 125016.	1.5	17
29	Micromachined Tube Type Thermal Flow Sensor for Adult-Sized Tracheal Intubation Tube. Proceedings (mdpi), 2017, 1, .	0.2	4
30	Development of Small-Footprint Thermal Sensor Detecting Airflow at Mouth in Baby. Proceedings (mdpi), 2017, 1, .	0.2	6
31	Medical Applications Based on MEMS Technologies. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 367-372.	0.1	0
32	Predictors of surgery-induced muscle proteolysis in patients undergoing cardiac surgery. Journal of Cardiology, 2016, 68, 536-541.	0.8	26
33	Hypoxia-induced modulation of PTEN activity and EMT phenotypes in lung cancers. Cancer Cell International, 2016, 16, 33.	1.8	33
34	Extraction of heartbeat signal from airflow at mouth by flow sensor. , 2015, , .		8
35	Responsible time shorting of flexible thermal flow sensor for medical applications. , 2015, , .		0
36	Direct regulation of transforming growth factor Î²â€induced epithelialâ€“mesenchymal transition by the protein phosphatase activity of unphosphorylated PTEN in lung cancer cells. Cancer Science, 2015, 106, 1693-1704.	1.7	9

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37	The Suppressive Effect of Quercetin on Toll-Like Receptor 7-Mediated Activation in Alveolar Macrophages. Pharmacology, 2015, 96, 201-209.	0.9	22
38	Ppm level methane detection using micro-thermoelectric gas sensors with Pd/Al2O3 combustion catalyst films. Sensors and Actuators B: Chemical, 2015, 206, 488-494.	4.0	49
39	Wearable displacement sensor system based on elevating tube for measuring breathing pattern. , 2014, , .		0
40	Implantable catheter flow sensor with legs in air passage for laboratory animal. , 2014, , .		2
41	Protective effects of intratracheally administered quercetin on lipopolysaccharide-induced acute lung injury. Respiratory Research, 2014, 15, 150.	1.4	76
42	Postoperative muscle proteolysis affects systemic muscle weakness in patients undergoing cardiac surgery. International Journal of Cardiology, 2014, 172, 595-597.	0.8	28
43	Catheter flow sensor with temperature compensation for tracheal intubation tube system. Sensors and Actuators A: Physical, 2014, 215, 155-160.	2.0	18
44	Micromachined catheter flow sensor and its applications in breathing measurements in animal experiments. Microsystem Technologies, 2014, 20, 505-513.	1.2	16
45	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.	0.0	0
46	SpiroVest. , 2013, , .		5
47	Integration of catheter flow sensor onto tracheal intubation tube system. , 2013, , .		4
48	Detection of loci for allergic asthma using SMXA recombinant inbred strains of mice. Immunogenetics, 2013, 65, 17-24.	1.2	2
49	Aqueous fraction of Sauropus androgynus might be responsible for bronchiolitis obliterans. Respirology, 2013, 18, 340-347.	1.3	9
50	Temperature-compensated catheter flow sensor and its application to breathing measurement in a mouse. , 2013, , .		1
51	Micromachined biocompatible catheter flow sensor with trench structure. , 2013, , .		1
52	An e-Textile-based wearable spirometer and its adaptability for context changes depending on sweat and meal. , 2013, , .		4
53	Involvement of TGFÎ²-Induced Phosphorylation of the PTEN C-Terminus on TGFÎ²-Induced Acquisition of Malignant Phenotypes in Lung Cancer Cells. PLoS ONE, 2013, 8, e81133.	1.1	18
54	Differential modulation of surfactant protein D under acute and persistent hypoxia in acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L43-L53.	1.3	19

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55	Observation of Fine Lung Structure by Ultrahigh-Resolution Optical Coherence Tomography Using 800, 1060, and 1300 nm Supercontinua. Japanese Journal of Applied Physics, 2012, 51, 047001.	0.8	3
56	Inspiratory capacity as a preoperative assessment of patients undergoing thoracic surgery. Interactive Cardiovascular and Thoracic Surgery, 2012, 14, 560-564.	0.5	15
57	Respiratory Volume Estimation by a Stretchable Textile Sensor. Advances in Science and Technology, 2012, 80, 136-141.	0.2	1
58	Catheter flow sensor system and breathing measurements in rabbit. , 2012, , .		1
59	Integration of temperature detection onto catheter flow sensor for bronchoscope. , 2012, , .		1
60	Quercetin protects against pulmonary oxidant stress via heme oxygenase-1 induction in lung epithelial cells. Biochemical and Biophysical Research Communications, 2012, 417, 169-174.	1.0	39
61	Measurement of breathing characteristic in mouse during inhaling drug. , 2012, , .		3
62	Involvement of the transcription factor twist in phenotype alteration through epithelialâ€“mesenchymal transition in lung cancer cells. Molecular Carcinogenesis, 2012, 51, 400-410.	1.3	34
63	The usefulness of casein-specific IgE and IgG4 antibodies in cow's milk allergic children. Clinical and Molecular Allergy, 2012, 10, 1.	0.8	58
64	The Role Of Interleukin-17/Th17 In Human Interstitial Pneumonia. , 2011, , .		0
65	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. Early Human Development, 2011, 87, 151-157.	0.8	62
66	Attenuation of Transforming Growth Factorâ€“Î²â€“Stimulated Collagen Production in Fibroblasts by Quercetin-Induced Heme Oxygenaseâ€“1. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 614-620.	1.4	74
67	Screening of IgG-Fc Binding Peptides from Milk Protein Using Slide Glass Type-Exclusive Peptide Array. Kagaku Kogaku Ronbunshu, 2011, 37, 546-550.	0.1	1
68	CD40/CD40 ligand interactions in immune responses and pulmonary immunity. Nagoya Journal of Medical Science, 2011, 73, 69-78.	0.6	49
69	Differential TH1/TH2 Chemokine Expression in Interstitial Pneumonia. American Journal of the Medical Sciences, 2010, 339, 41-48.	0.4	7
70	Endothelialâ€“Mesenchymal Transition in Bleomycin-Induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 161-172.	1.4	356
71	Ghrelin and obestatin promote the allergic action in rat peritoneal mast cells as basic secretagogues. Peptides, 2010, 31, 2109-2113.	1.2	8
72	Erythromycin-induced CXCR4 expression on microvascular endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L420-L431.	1.3	15

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73	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.	1.4	6
74	Development of peptide arrays for detection of IgE-binding epitopes in cow's milk allergens. Journal of Bioscience and Bioengineering, 2009, 107, 324-330.	1.1	14
75	Involvement of Heme Oxygenase-1 in Kaempferol-Induced Anti-Allergic Actions in RBL-2H3 Cells. Inflammation, 2009, 32, 99-108.	1.7	26
76	Heme oxygenase-1 mediates the anti-allergic actions of quercetin in rodent mast cells. Inflammation Research, 2009, 58, 705-715.	1.6	35
77	An influence of Interferon-Î³ gene polymorphisms on treatment response to tuberculosis in Japanese population. Journal of Infection, 2009, 58, 467-469.	1.7	10
78	Peptide array-based analysis of the specific IgE and IgG4 in cow's milk allergens and its use in allergy evaluation. Peptides, 2009, 30, 1840-1847.	1.2	29
79	High-affinity uptake of kynurenine and nitric oxide-mediated inhibition of indoleamine 2,3-dioxygenase in bone marrow-derived myeloid dendritic cells. Immunology Letters, 2008, 116, 95-102.	1.1	21
80	Cinnabarinic acid generated from 3-hydroxyanthranilic acid strongly induces apoptosis in thymocytes through the generation of reactive oxygen species and the induction of caspase. Journal of Cellular Biochemistry, 2008, 103, 42-53.	1.2	38
81	Th1/Th2 Immune Response in Lung Fibroblasts in Interstitial Lung Disease. Archives of Medical Research, 2008, 39, 503-510.	1.5	27
82	Diazotization of kynurenine by acidified nitrite secreted from indoleamine 2,3-dioxygenase-expressing myeloid dendritic cells. Journal of Immunological Methods, 2008, 332, 162-169.	0.6	13
83	Macrophage-derived chemokine in malignant and tuberculous pleural effusions. Respirology, 2007, 12, 581-584.	1.3	8
84	Successful re-treatment with gefitinib for carcinomatous meningitis as disease recurrence of non-small-cell lung cancer. Lung Cancer, 2006, 53, 387-390.	0.9	32
85	Interstitial lung disease associated with gefitinib. Respiratory Medicine, 2006, 100, 698-704.	1.3	40
86	Pulmonary Infectious Complications Associated with Anti-TNF.ALPHA. Therapy (Infliximab) for Rheumatoid Arthritis. Internal Medicine, 2006, 45, 685-688.	0.3	25
87	Expression of macrophage-derived chemokine (MDC)/CCL22 in human lung cancer. Cancer Immunology, Immunotherapy, 2006, 55, 1320-1329.	2.0	44
88	Evaluation of interferon-Î³, interferon-Î³-inducing cytokines, and interferon-Î³â€“inducible chemokines in tuberculous pleural effusions. Translational Research, 2005, 145, 88-93.	2.4	61
89	T-Helper Type 1/T-Helper Type 2 Balance in Malignant Pleural Effusions Compared to Tuberculous Pleural Effusions. Chest, 2005, 128, 4030-4035.	0.4	41
90	CD40 Plays a Crucial Role in Lipopolysaccharide-Induced Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 808-815.	1.4	57

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91	KrÃ¼ppel-Like Factor 6 Is Frequently Down-Regulated and Induces Apoptosis in Non-Small Cell Lung Cancer Cells. Cancer Research, 2004, 64, 3838-3843.	0.4	147
92	DR1-like element in human topoisomerase IIÎ± gene involved in enhancement of etoposide-induced apoptosis by PPARÎ³ ligand. Experimental Hematology, 2003, 31, 300-308.	0.2	10
93	Perfusion and Ventilation Isotope Lung Scans in Constrictive Bronchiolitis obliterans. Respiration, 2002, 69, 550-555.	1.2	8
94	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.	0.9	7
95	Induction of antitumor immunity by transduction of CD40 ligand gene and interferon-Î³ gene into lung cancer. Cancer Gene Therapy, 2001, 8, 421-429.	2.2	28
96	Effect of erythromycin on matrix metalloproteinase-9 and cell migration. Translational Research, 2001, 137, 176-183.	2.4	37
97	Abolition of anti-glomerular basement membrane antibody-mediated glomerulonephritis in FcRÎ³-deficient mice. European Journal of Immunology, 2000, 30, 1182-1190.	1.6	48
98	Enhancement of tumoricidal activity of alveolar macrophages via CD40-CD40 ligand interaction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L49-L57.	1.3	21
99	SHIP Recruitment Attenuates FcÎ³RIIB-Induced B Cell Apoptosis. Immunity, 1999, 10, 753-760.	6.6	206
100	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
101	T Cell Development in Mice Lacking All T Cell Receptor Î¶ Family Members (Î¶, Î·, and FcÎµRIÎ³). Journal of Experimental Medicine, 1998, 187, 1093-1101.	4.2	47
102	Bystander Tumoricidal Effect and Gap Junctional Communication in Lung Cancer Cell Lines. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 205-212.	1.4	40
103	Protective Role of CD40 in Leishmania major Infection at Two Distinct Phases of Cell-Mediated Immunity. Immunity, 1996, 4, 275-281.	6.6	286
104	The Roles Of CD40 And CD23 In IgE Regulation. Advances in Experimental Medicine and Biology, 1996, 409, 349-354.	0.8	2
105	The immune responses in CD40-deficient mice: Impaired immunoglobulin class switching and germinal center formation. Immunity, 1994, 1, 167-178.	6.6	1,045
106	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. American Journal of Respiratory Cell and Molecular Biology, 1993, 8, 655-661.	1.4	37