Yuhki Yanase

List of Publications by Year
in descending order

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58	1,683	257450 24	302126 39
papers	citations	h-index	g-index

58	58	58	1682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface Plasmon Resonance for Cell-Based Clinical Diagnosis. Sensors, 2014, 14, 4948-4959.	3.8	128
2	Fungal protein MGL_1304 in sweat is an allergen for atopic dermatitis patients. Journal of Allergy and Clinical Immunology, 2013, 132, 608-615.e4.	2.9	107
3	The SPR signal in living cells reflects changes other than the area of adhesion and the formation of cell constructions. Biosensors and Bioelectronics, 2007, 22, 1081-1086.	10.1	103
4	Detection of refractive index changes in individual living cells by means of surface plasmon resonance imaging. Biosensors and Bioelectronics, 2010, 26, 674-681.	10.1	99
5	Development of an optical fiber SPR sensor for living cell activation. Biosensors and Bioelectronics, 2010, 25, 1244-1247.	10.1	85
6	Fucoidan prevents CÎµ germline transcription and NFÎºB p52 translocation for IgE production in B cells. Biochemical and Biophysical Research Communications, 2006, 350, 501-507.	2.1	63
7	The Pathogenesis of Chronic Spontaneous Urticaria: The Role of Infiltrating Cells. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 2195-2208.	3.8	61
8	Application of SPR Imaging Sensor for Detection of Individual Living Cell Reactions and Clinical Diagnosis of Type I Allergy. Allergology International, 2013, 62, 163-169.	3.3	57
9	Elevated Serum IgE against MGL_1304 in Patients with Atopic Dermatitis and Cholinergic Urticaria. Allergology International, 2014, 63, 83-93.	3.3	54
10	Living cell positioning on the surface of gold film for SPR analysis. Biosensors and Bioelectronics, 2007, 23, 562-567.	10.1	51
11	Peritoneal injection of fucoidan suppresses the increase of plasma IgE induced by OVA-sensitization. Biochemical and Biophysical Research Communications, 2009, 387, 435-439.	2.1	46
12	Evaluation of peripheral blood basophil activation by means of surface plasmon resonance imaging. Biosensors and Bioelectronics, 2012, 32, 62-68.	10.1	43
13	Hydrolyzed Konjac Glucomannan Suppresses IgE Production in Mice B Cells. International Archives of Allergy and Immunology, 2010, 152, 122-130.	2.1	41
14	Surface plasmon resonance-biosensor detects the diversity of responses against epidermal growth factor in various carcinoma cell lines. Biosensors and Bioelectronics, 2012, 32, 202-207.	10.1	41
15	Surface plasmon resonance biosensor detects the downstream events of active PKCÎ² in antigen-stimulated mast cells. Biosensors and Bioelectronics, 2008, 23, 1652-1658.	10.1	40
16	Fucoidan suppresses IgE production in peripheral blood mononuclear cells from patients with atopic dermatitis. Archives of Dermatological Research, 2011, 303, 425-431.	1.9	40
17	Chronic spontaneous urticaria and the extrinsic coagulation system. Allergology International, 2018, 67, 191-194.	3.3	39
18	Protein kinase C-Î± mediates TNF release process in RBL-2H3 mast cells. British Journal of Pharmacology, 2005, 145, 415-423.	5.4	38

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19	A critical role of conventional protein kinase C in morphological changes of rodent mast cells. Immunology and Cell Biology, 2011, 89, 149-159.	2.3	31
20	High-resolution imaging of a cell-attached nanointerface using a gold-nanoparticle two-dimensional sheet. Scientific Reports, 2017, 7, 3720.	3.3	31
21	Applying Surface Plasmon Resonance to Monitor the IgE-Mediated Activation of Human Basophils. Allergology International, 2008, 57, 347-358.	3.3	28
22	Reversible bleb formation in mast cells stimulated with antigen is Ca2+/calmodulin-dependent and bleb size is regulated by ARF6. Biochemical Journal, 2010, 425, 179-193.	3.7	28
23	Staphylococcus aureus from atopic dermatitis skin accumulates in the lysosomes of keratinocytes with induction of <scp>IL</scp>â€1Î± secretion via <scp>TLR</scp>9. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 560-571.	5.7	28
24	The Role of Coagulation and Complement Factors for Mast Cell Activation in the Pathogenesis of Chronic Spontaneous Urticaria. Cells, 2021, 10, 1759.	4.1	27
25	Histamine and Toll-like receptor ligands synergistically induce endothelial cell gap formation by the extrinsic coagulating pathway. Journal of Allergy and Clinical Immunology, 2018, 141, 1115-1118.e7.	2.9	26
26	Coagulation factors induce human skin mast cell and basophil degranulation via activation of complement 5 and the C5a receptor. Journal of Allergy and Clinical Immunology, 2021, 147, 1101-1104.e7.	2.9	25
27	Nonoptical Detection of Allergic Response with a Cell-Coupled Gate Field-Effect Transistor. Analytical Chemistry, 2017, 89, 12918-12923.	6.5	23
28	A human monoclonal IgE antibody that binds to MGL_1304, a major allergen in human sweat, without activation of mast cells and basophils. Biochemical and Biophysical Research Communications, 2015, 468, 99-104.	2.1	19
29	Diagnosis of immediate-type allergy using surface plasmon resonance. Optical Materials Express, 2016, 6, 1339.	3.0	19
30	Decreased intracellular histamine concentration and basophil activation in anaphylaxis. Allergology International, 2020, 69, 78-83.	3.3	19
31	Histamine release-neutralization assay for sera of patients with atopic dermatitis and/or cholinergic urticaria is useful to screen type I hypersensitivity against sweat antigens. Archives of Dermatological Research, 2012, 304, 647-654.	1.9	17
32	The Toll-like receptor 4-activated neuroprotective microglia subpopulation survives via granulocyte macrophage colony-stimulating factor and JAK2/STAT5 signaling. Neurochemistry International, 2016, 93, 82-94.	3.8	17
33	Neuromedin U directly induces degranulation of skin mast cells, presumably via <scp>MRGPRX</scp>2. Allergy: European Journal of Allergy and Clinical Immunology, 2018, 73, 2256-2260.	5.7	17
34	Development of SPR Imaging-Impedance Sensor for Multi-Parametric Living Cell Analysis. Sensors, 2019, 19, 2067.	3.8	17
35	Cutaneous Mast Cell Receptors. Dermatologic Clinics, 2007, 25, 563-575.	1.7	16
36	Oral administration of Î²â€carotene or lycopene prevents atopic dermatitisâ€like dermatitis in <scp>HR</scp>â€1 mice. Journal of Dermatology, 2016, 43, 1188-1192.	1.2	16

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37	Remission rate of patients with wheat allergy sensitized to hydrolyzed wheat protein in facial soap. Allergology International, 2016, 65, 109-111.	3.3	16
38	Activation of Human Peripheral Basophils in Response to High IgE Antibody Concentrations without Antigens. International Journal of Molecular Sciences, 2019, 20, 45.	4.1	15
39	Clinical diagnosis of type I allergy by means of SPR imaging with less than a microliter of peripheral blood. Sensing and Bio-Sensing Research, 2014, 2, 43-48.	4.2	14
40	A single reaction-diffusion equation for the multifarious eruptions of urticaria. PLoS Computational Biology, 2020, 16, e1007590.	3.2	14
41	The role of adenosine for IgE receptor-dependent degranulation of human peripheral basophils and skin mast cells. Allergology International, 2018, 67, 524-526.	3.3	12
42	Increase of tissue factor expression on the surface of peripheral monocytes of patients with chronic spontaneous urticaria. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 971-974.	5.7	12
43	Histamineâ€•or vascular endothelial growth factorâ€induced tissue factor expression and gap formation between vascular endothelial cells are synergistically enhanced by lipopolysaccharide, tumor necrosis factorâ€Î±, interleukin (IL)â€33 or ILâ€1Î². Journal of Dermatology, 2020, 47, 1293-1300.	1.2	10
44	Evaluation of recombinant MGL_1304 produced by Pichia pastoris for clinical application to sweat allergy. Allergology International, 2015, 64, 266-271.	3.3	8
45	Impedance-Based Living Cell Analysis for Clinical Diagnosis of Type I Allergy. Sensors, 2017, 17, 2503.	3.8	6
46	Type-I-hypersensitivity to 15ÂkDa, 28ÂkDa and 54ÂkDa proteins in vitellogenin specific to Gadus chalcogrammus roe. Allergology International, 2020, 69, 253-260.	3.3	6
47	LSPR-mediated high axial-resolution fluorescence imaging on a silver nanoparticle sheet. PLoS ONE, 2017, 12, e0189708.	2.5	6
48	High histamine concentrations in human sweat in association with type I allergy to the semi-purified sweat antigen. Allergology International, 2020, 69, 307-309.	3.3	5
49	Propofol induces the elevation of intracellular calcium via morphological changes in intracellular organelles, including the endoplasmic reticulum and mitochondria. European Journal of Pharmacology, 2020, 884, 173303.	3.5	5
50	Characterization of intracellular calcium mobilization induced by remimazolam, a newly approved intravenous anesthetic. PLoS ONE, 2022, 17, e0263395.	2.5	5
51	Successful treatment of refractory dermal pain with etizolam and clonazepam in a patient with acquired idiopathic generalized anhidrosis. Journal of Dermatology, 2019, 46, e351-e353.	1.2	4
52	Establishment of a mast cell line, NCLâ€2, without Kit mutation, derived from NC mouse bone marrow. FEBS Open Bio, 2014, 4, 342-346.	2.3	3
53	Simulation and Experiment for Electrode Coverage Evaluation by Electrochemical Impedance Spectroscopy Using Parallel Facing Electrodes. Analytical Sciences, 2020, 36, 853-858.	1.6	1
54	Immunological Changes of Basophil Hyperreactivity to Sweat in Patients With Well-Controlled Atopic Dermatitis. Frontiers in Immunology, 0, 13, .	4.8	1

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55	Role of TF-Triggered Activation of the Coagulation Cascade in the Pathogenesis of Chronic Spontaneous Urticaria. Current Treatment Options in Allergy, 2018, 5, 383-391.	2.2	0
56	Surface Plasmon Resonance for Clinical Diagnosis of Type I Allergy. Methods in Pharmacology and Toxicology, 2015, , 373-385.	0.2	0
57	Purinergic P2Y₂ receptor is involved in dying cell phagocytosis and mediator production in Toll-like receptor 4-activated microglia. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-115.	0.0	0
58	Effects of LPS and TNFÎ± on the histamine responsiveness of vascular endothelial cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 1-P-092.	0.0	0