Hiroshi Itagaki

List of Publications by Year in descending order

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34	1,131	687363 13	414414 32
papers	citations	h-index	g-index

34	34	34	928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of an in vitro skin sensitization test using human cell lines: The human Cell Line Activation Test (h-CLAT). Toxicology in Vitro, 2006, 20, 767-773.	2.4	266
2	Development of an in vitro skin sensitization test using human cell lines; human Cell Line Activation Test (h-CLAT) II. An inter-laboratory study of the h-CLAT. Toxicology in Vitro, 2006, 20, 774-784.	2.4	197
3	A Comparative Evaluation of In Vitro Skin Sensitisation Tests: The Human Cell-line Activation Test (h-CLAT) versus the Local Lymph Node Assay (LLNA). ATLA Alternatives To Laboratory Animals, 2010, 38, 275-284.	1.0	107
4	QUANTITATIVE MEASUREMENT OF SPLICED XBP1 mRNA AS AN INDICATOR OF ENDOPLASMIC RETICULUM STRESS. Journal of Toxicological Sciences, 2006, 31, 149-156.	1.5	101
5	The relationship between CD86/CD54 expression and THP-1 cell viability in an in vitro skin sensitization test â€“ human cell line activation test (h-CLAT). Cell Biology and Toxicology, 2009, 25, 109-126.	5.3	92
6	Evaluation of CD86 expression and MHC class II molecule internalization in THP-1 human monocyte cells as predictive endpoints for contact sensitizers. Toxicology in Vitro, 2002, 16, 711-716.	2.4	86
7	Evaluation of changes of cell-surface thiols as a new biomarker for in vitro sensitization test. Toxicology in Vitro, 2009, 23, 687-696.	2.4	39
8	Oxidation of Cell Surface Thiol Groups by Contact Sensitizers Triggers the Maturation of Dendritic Cells. Journal of Investigative Dermatology, 2010, 130, 175-183.	0.7	31
9	Utility of MTT assay in three-dimensional cultured human skin model as an alternative for draize skin irritation test: approach using diffusion law of irritant in skin and toxicokinetics-toxicodynamics correlation. Pharmaceutical Research, 2002, 19, 669-675.	3.5	24
10	Modification of cell-surface thiols elicits activation of human monocytic cell line THP-1: Possible involvement in effect of haptens 2,4-dinitrochlorobenzene and nickel sulfate. Journal of Toxicological Sciences, 2009, 34, 139-150.	1.5	24
11	Tributyltin induces mitochondrial fission through Mfn1 degradation in human induced pluripotent stem cells. Toxicology in Vitro, 2016, 34, 257-263.	2.4	24
12	Development of an in vitro photosensitization assay using human monocyte-derived cells. Toxicology in Vitro, 2009, 23, 911-918.	2.4	23
13	Changes of cell-surface thiols and intracellular signaling in human monocytic cell line THP-1 treated with diphenylcyclopropenone. Journal of Toxicological Sciences, 2010, 35, 871-879.	1.5	13
14	SIRC-CVS CYTOTOXICITY TEST: AN ALTERNATIVE FOR PREDICTING RODENT ACUTE SYSTEMIC TOXICITY. Journal of Toxicological Sciences, 2006, 31, 371-379.	1.5	10
15	Long form of thymic stromal lymphopoietin of keratinocytes is induced by protein allergens. Journal of Immunotoxicology, 2017, 14, 178-187.	1.7	10
16	Improvement of human cell line activation test (h-CLAT) using short-time exposure methods for prevention of false-negative results. Journal of Toxicological Sciences, 2018, 43, 229-240.	1.5	10
17	Development of LLNA:DAE: a new local lymph node assay that includes the elicitation phase, discriminates borderline-positive chemicals, and is useful for cross-sensitization testing. Journal of Toxicological Sciences, 2014, 39, 147-161.	1.5	8
18	Further development of LLNA:DAE method as stand-alone skin-sensitization testing method and applied for evaluation of relative skin-sensitizing potency between chemicals. Journal of Toxicological Sciences, 2015, 40, 137-150.	1.5	8

#	Article	IF	Citations
19	Acidic conditions induce the suppression of CD86 and CD54 expression in THP-1 cells. Journal of Toxicological Sciences, 2018, 43, 299-309.	1.5	8
20	Assessment of the skin sensitizing potential of chemicals, contained in foods and/or cosmetic ingredients, using a modified local lymph node assay with an elicitation phase (LLNA:DAE) method. Journal of Toxicological Sciences, 2018, 43, 513-520.	1.5	7
21	Unsaturated fatty acids show clear elicitation responses in a modified local lymph node assay with an elicitation phase, and test positive in the direct peptide reactivity assay. Journal of Toxicological Sciences, 2015, 40, 843-853.	1.5	6
22	Expansion of the applicability domain for highly volatile substances on the Short Time Exposure test method and the predictive performance in assessing eye irritation potential. Journal of Toxicological Sciences, 2018, 43, 407-422.	1.5	6
23	Some non-sensitizers upregulate CD54 expression by activation of the NLRP3 inflammasome in THP-1 cells. Journal of Toxicological Sciences, 2019, 44, 213-224.	1.5	6
24	Preventing false-negatives in the in vitro skin sensitization testing of acid anhydrides using interleukin-8 release assays. Toxicology in Vitro, 2017, 42, 69-75.	2.4	5
25	Lipopolysaccharide interferes with the use of the human Cell Line Activation Test to determine the allergic potential of proteins. Journal of Pharmacological and Toxicological Methods, 2018, 92, 34-42.	0.7	4
26	Predictive performance and inter-laboratory reproducibility in assessing eye irritation potential of water- and oil-soluble mixtures using the Short Time Exposure test method. Toxicology in Vitro, 2018, 48, 78-85.	2.4	4
27	Predicting the results of a 24-hr human patch test for surfactants: utility of margin-setting in a reconstructed human epidermis model. Journal of Toxicological Sciences, 2019, 44, 393-403.	1.5	3
28	Eliminating the contribution of lipopolysaccharide to protein allergenicity in the human cell-line activation test (h-CLAT). Journal of Toxicological Sciences, 2019, 44, 283-297.	1.5	3
29	Reliability Assessment by Simulation of Fatigue Crack Growth. Journal of the Society of Naval Architects of Japan, 1989, 1989, 253-264.	0.2	3
30	Quantitative analysis of the relationship between the LLNA:DAE method results and the LLNA EC3 values highlights the connection between the elicitation and induction phases during skin sensitization. Fundamental Toxicological Sciences, 2016, 3, 27-31.	0.6	1
31	An acid-hydrolyzed wheat protein activates the inflammatory and NF-Î°B pathways leading to long TSLP transcription in human keratinocytes. Journal of Toxicological Sciences, 2020, 45, 327-337.	1.5	1
32	Co-Culture of THP-1 Cells and Normal Human Epidermal Keratinocytes (NHEK) for Modified Human Cell Line Activation Test (h-CLAT). Applied Sciences (Switzerland), 2022, 12, 6207.	2.5	1
33	Selection of the First Inspection Time Based on Maximization of Amount of Information. Journal of the Society of Naval Architects of Japan, 1994, 1994, 597-602.	0.2	0
34	Fatigue Crack Propagation under Controlled Stress Intensity Factor- (I). Journal of the Society of Naval Architects of Japan, 1973, 1973, 221-234.	0.2	0