

Toshihiko Kasahara

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

378
citations

933447

10
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Test battery with the human cell line activation test, direct peptide reactivity assay and DEREK based on a 139 chemical data set for predicting skin sensitizing potential and potency of chemicals. <i>Journal of Applied Toxicology</i> , 2015, 35, 1318-1332.	2.8	93
2	Development of a prediction method for skin sensitization using novel cysteine and lysine derivatives. <i>Journal of Pharmacological and Toxicological Methods</i> , 2014, 70, 94-105.	0.7	44
3	A novel <i>in chemico</i> method to detect skin sensitizers in highly diluted reaction conditions. <i>Journal of Applied Toxicology</i> , 2015, 35, 1348-1360.	2.8	43
4	Cause of and countermeasures for oxidation of the cysteine-derived reagent used in the amino acid derivative reactivity assay. <i>Journal of Applied Toxicology</i> , 2019, 39, 191-208.	2.8	26
5	Evaluation of high-throughput screening for <i>in vitro</i> micronucleus test using fluorescence-based cell imaging. <i>Mutagenesis</i> , 2011, 26, 709-719.	2.6	25
6	Expanding the applicability of the amino acid derivative reactivity assay: Determining a weight for preparation of test chemical solutions that yield a predictive capacity identical to the conventional method using molar concentration and demonstrating the capacity to detect sensitizers in liquid mixtures. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 97, 67-79.	0.7	21
7	A newly developed means of HPLC-fluorescence analysis for predicting the skin sensitization potential of multi-constituent substances using ADRA. <i>Toxicology in Vitro</i> , 2019, 59, 161-178.	2.4	19
8	High-content image analysis (HCIA) assay has the highest correlation with direct counting cell suspension compared to the ATP, WST-8 and Alamar blue assays for measurement of cytotoxicity. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017, 88, 92-99.	0.7	14
9	The underlying factors that explain why nucleophilic reagents rarely co-elute with test chemicals in the ADRA. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 96, 95-105.	0.7	14
10	Precipitation of test chemicals in reaction solutions used in the amino acid derivative reactivity assay and the direct peptide reactivity assay. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 100, 106624.	0.7	13
11	The amino acid derivative reactivity assay with fluorescence detection and its application to multi-constituent substances. <i>Journal of Toxicological Sciences</i> , 2019, 44, 821-832.	1.5	11
12	The within- and between-laboratory reproducibility and predictive capacity of the <i>in chemico</i> amino acid derivative reactivity assay: Results of validation study implemented in four participating laboratories. <i>Journal of Applied Toxicology</i> , 2019, 39, 1492-1505.	2.8	9
13	Improving predictive capacity of the Amino acid Derivative Reactivity Assay test method for skin sensitization potential with an optimal molar concentration of test chemical solution. <i>Journal of Applied Toxicology</i> , 2021, 41, 303-329.	2.8	8
14	Applicability of amino acid derivative reactivity assay for prediction of skin sensitization by combining multiple alternative methods to evaluate key events. <i>Journal of Toxicological Sciences</i> , 2019, 44, 585-600.	1.5	7
15	Development of photo-amino acid derivative reactivity assay: a novel <i>in chemico</i> alternative method for predicting photoallergy. <i>Journal of Applied Toxicology</i> , 2020, 40, 655-678.	2.8	7
16	Simultaneous and absolute quantification of nucleoside triphosphates using liquid chromatography-triple quadrupole tandem mass spectrometry. <i>Genes and Environment</i> , 2018, 40, 13.	2.1	5
17	Oxidation of a cysteine-derived nucleophilic reagent by dimethyl sulfoxide in the amino acid derivative reactivity assay. <i>Journal of Applied Toxicology</i> , 2020, 40, 843-854.	2.8	5
18	Chemically induced strong cellular hypertrophy often reduces the accuracy of cytotoxicity measurements obtained using the ATP assay. <i>Journal of Toxicological Sciences</i> , 2017, 42, 205-221.	1.5	3

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19	Amino acid derivative reactivity assayâ€œorganic solvent reaction system: A novel alternative test for skin sensitization capable of assessing highly hydrophobic substances. Journal of Applied Toxicology, 2021, 41, 1634-1648.	2.8	3
20	Cause Clarification of Cysteine Oxidation by Active Species Generated during the Oxidation Process of Cinnamaldehyde and Impact on an In Chemico Alternative Method for Skin Sensitization Using a Nucleophilic Reagent Containing Cysteine. Chemical Research in Toxicology, 2021, 34, 1749-1758.	3.3	3
21	The withinâ€and betweenâ€laboratories reproducibility and predictive capacity of Amino acid Derivative Reactivity Assay using 4 mM test chemical solution: Results of ring study implemented at five participating laboratories. Journal of Applied Toxicology, 2022, 42, 318-333.	2.8	2
22	Quantitative analysis of γ -H2AX reveals distinct responses in multiple mouse organs after administration of mitomycin C or ethyl methanesulfonate. Mutagenesis, 2018, 33, 371-378.	2.6	1
23	Withinâ€and betweenâ€laboratory reproducibility and predictive capacity of amino acid derivative reactivity assay (ADRA) using a 0.5â€mg/mL test chemical solution: Results of the study for reproducibility confirmation implemented in five participating laboratories. Journal of Applied Toxicology, 2022, . .	2.8	1
24	Applicability of amino acid derivative reactivity assay (4â€M) for the prediction of skin sensitization by combining multiple alternative methods to evaluate key events. Journal of Applied Toxicology, 2022, , .	2.8	1