

Helena Kandarova

List of Publications by Year in descending order

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69
papers

1,601
citations

331538

21
h-index

302012

39
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103
all docs

103
docs citations

103
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	The ECVAM International Validation Study on in Vitro Tests for Acute Skin Irritation: Report on the Validity of the EPIKIN and EpiDerm Assays and on the Skin Integrity Function Test. ATLA Alternatives To Laboratory Animals, 2007, 35, 559-601.	0.7	185
2	Non-animal models of epithelial barriers (skin, intestine and lung) in research, industrial applications and regulatory toxicology. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 327-378.	0.9	108
3	Reconstructed epidermis versus human and animal skin in skin absorption studies. Toxicology in Vitro, 2005, 19, 813-822.	1.1	97
4	Assessment of the human epidermis model SkinEthic RHE for in vitro skin corrosion testing of chemicals according to new OECD TG 431. Toxicology in Vitro, 2006, 20, 547-559.	1.1	92
5	Comparison of human skin irritation patch test data with <i>in vitro</i> skin irritation assays and animal data. Contact Dermatitis, 2010, 62, 109-116.	0.8	81
6	Development of the EpiOcular [®] Eye Irritation Test for Hazard Identification and Labelling of Eye Irritating Chemicals in Response to the Requirements of the EU Cosmetics Directive and REACH Legislation. ATLA Alternatives To Laboratory Animals, 2011, 39, 339-364.	0.7	75
7	Alternative methods in toxicology: pre-validated and validated methods. Interdisciplinary Toxicology, 2011, 4, 107-13.	1.0	69
8	The 3T3 neutral red uptake phototoxicity test: Practical experience and implications for phototoxicity testing – The report of an ECVAM [®] EFPIA workshop. Regulatory Toxicology and Pharmacology, 2012, 63, 480-488.	1.3	69
9	The EpiDerm Test Protocol for the Upcoming ECVAM Validation Study on In Vitro Skin Irritation Tests – An Assessment of the Performance of the Optimised Test. ATLA Alternatives To Laboratory Animals, 2005, 33, 351-367.	0.7	66
10	In Vitro Skin Irritation Testing: Improving the Sensitivity of the EpiDerm Skin Irritation Test Protocol. ATLA Alternatives To Laboratory Animals, 2009, 37, 671-689.	0.7	59
11	Assessment of the Skin Irritation Potential of Chemicals by Using the SkinEthic Reconstructed Human Epidermal Model and the Common Skin Irritation Protocol Evaluated in the ECVAM Skin Irritation Validation Study. ATLA Alternatives To Laboratory Animals, 2006, 34, 393-406.	0.7	48
12	Review of skin irritation/corrosion hazards on the basis of human data: a regulatory perspective. Interdisciplinary Toxicology, 2012, 5, 98-104.	1.0	43
13	In-house Validation of the EpiOcular [®] Eye Irritation Test and its Combination with the Bovine Corneal Opacity and Permeability Test for the Assessment of Ocular Irritation. ATLA Alternatives To Laboratory Animals, 2011, 39, 365-387.	0.7	40
14	Phototoxicity of bergamot oil assessed by in vitro techniques in combination with human patch tests. Toxicology in Vitro, 2007, 21, 1298-1303.	1.1	38
15	Optimisation of the EpiDerm test protocol for the upcoming ECVAM validation study on in vitro skin irritation tests. ALTEX: Alternatives To Animal Experimentation, 2004, 21, 107-14.	0.9	38
16	Pre-validation of an in vitro skin irritation test for medical devices using the reconstructed human tissue model EpiDerm [®] . Toxicology in Vitro, 2018, 50, 407-417.	1.1	34
17	Safer chemicals using less animals: kick-off of the European ONTOX project. Toxicology, 2021, 458, 152846.	2.0	33
18	An In Vitro Skin Irritation Test (SIT) using the EpiDerm Reconstructed Human Epidermal (RHE) Model. Journal of Visualized Experiments, 2009, , .	0.2	32

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19	Two novel prediction models improve predictions of skin corrosive sub-categories by test methods of OECD Test Guideline No. 431. <i>Toxicology in Vitro</i> , 2015, 29, 2055-2080.	1.1	29
20	The EpiOcular Eye Irritation Test (EIT) for Hazard Identification and Labelling of Eye Irritating Chemicals: Protocol Optimisation for Solid Materials and the Results after Extended Shipment. <i>ATLA Alternatives To Laboratory Animals</i> , 2015, 43, 101-127.	0.7	28
21	Stratum corneum architecture of reconstructed human skin models monitored by fluorescent confocal laser scanning microscopy. <i>Laser Physics Letters</i> , 2007, 4, 308-311.	0.6	24
22	Round robin study to evaluate the reconstructed human epidermis (RhE) model as an in vitro skin irritation test for detection of irritant activity in medical device extracts. <i>Toxicology in Vitro</i> , 2018, 50, 439-449.	1.1	24
23	Application of MatTek <i>In Vitro</i> Reconstructed Human Skin Models for Safety, Efficacy Screening, and Basic Preclinical Research. <i>Applied in Vitro Toxicology</i> , 2015, 1, 226-233.	0.6	19
24	Evaluation of toxicity profiles of rare earth elements salts (lanthanides). <i>Journal of Rare Earths</i> , 2021, 39, 225-232.	2.5	18
25	In vitro demonstration of intestinal absorption mechanisms of different sugars using 3D organotypic tissues in a fluidic device. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 255-264.	0.9	18
26	CON4EI: Selection of the reference chemicals for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2017, 44, 44-48.	1.1	15
27	Evaluation of the medical devices benchmark materials in the controlled human patch testing and in the RhE in vitro skin irritation protocol. <i>Toxicology in Vitro</i> , 2018, 50, 433-438.	1.1	15
28	CON4EI: EpiOcular Eye Irritation Test (EpiOcular EIT) for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 21-33.	1.1	15
29	CON4EI: Development of testing strategies for hazard identification and labelling for serious eye damage and eye irritation of chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 99-115.	1.1	15
30	The MatTek Story – How the Three Rs Principles Led to 3-D Tissue Success!. <i>ATLA Alternatives To Laboratory Animals</i> , 2009, 37, 611-622.	0.7	13
31	CON4EI: Bovine Corneal Opacity and Permeability (BCOP) test for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2017, 44, 122-133.	1.1	13
32	CON4EI: Consortium for in vitro Eye Irritation testing strategy - EpiOcular time-to-toxicity (EpiOcular ET-50) protocols for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 34-52.	1.1	13
33	Reprint of "CON4EI: Bovine Corneal Opacity and Permeability (BCOP) test for hazard identification and labelling of eye irritating chemicals". <i>Toxicology in Vitro</i> , 2018, 49, 53-64.	1.1	10
34	Preparation of irritant polymer samples for an in vitro round robin study. <i>Toxicology in Vitro</i> , 2018, 50, 401-406.	1.1	10
35	CON4EI: SkinEthic Human Corneal Epithelium Eye Irritation Test (SkinEthic HCE EIT) for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 11-20.	1.1	10
36	Toxicity of food contact paper evaluated by combined biological and chemical methods. <i>Toxicology in Vitro</i> , 2019, 59, 26-34.	1.1	10

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37	Tissue-on-a-Chip: Microphysiometry With Human 3D Models on Transwell Inserts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 760.	2.0	10
38	CON4EI: Short Time Exposure (STE) test method for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 65-76.	1.1	9
39	Standardised Reconstructed Skin Models in Toxicology and Pharmacology: State of the Art and Future Development. <i>Handbook of Experimental Pharmacology</i> , 2020, 265, 57-71.	0.9	7
40	Eye Irritation Test (EIT) for Hazard Identification of Eye Irritating Chemicals using Reconstructed Human Cornea-like Epithelial (RhCE) Tissue Model. <i>Journal of Visualized Experiments</i> , 2015, , e52979.	0.2	6
41	CON4EI: Evaluation of QSAR models for hazard identification and labelling of eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 90-98.	1.1	6
42	Towards More Predictive, Physiological and Animal-free <i>In Vitro</i> Models: Advances in Cell and Tissue Culture 2020 Conference Proceedings. <i>ATLA Alternatives To Laboratory Animals</i> , 2021, 49, 93-110.	0.7	6
43	The EpiDerm [®] Phototoxicity Test (EpiDerm [®] H3D-PT). , 2017, , 483-503.		5
44	Reprint of "CON4EI: Selection of the reference chemicals for hazard identification and labelling of eye irritating chemicals" <i>Toxicology in Vitro</i> , 2018, 49, 6-10.	1.1	4
45	Evaluation of phototoxic and cytotoxic potential of TiO ₂ nanosheets in a 3D reconstructed human skin model. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 441-450.	0.9	4
46	Advances in Animal Models and Cutting-Edge Research in Alternatives: Proceedings of the Second International Conference on 3Rs Research and Progress, Hyderabad, 2021. <i>ATLA Alternatives To Laboratory Animals</i> , 2022, , 026119292210892.	0.7	4
47	CON4EI: Slug Mucosal Irritation (SMI) test method for hazard identification and labelling of serious eye damaging and eye irritating chemicals. <i>Toxicology in Vitro</i> , 2018, 49, 77-89.	1.1	3
48	Qualitative and Quantitative Analysis of Certain Aspects of the Cytotoxic and Genotoxic Hazard of Hospital Wastewaters by Using a Range of <i>In Vitro</i> Assays. <i>ATLA Alternatives To Laboratory Animals</i> , 2021, 49, 33-48.	0.7	3
49	Safety testing of adult novelties using in vitro methods. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 117, 104780.	1.3	3
50	Alternative methods to animal experimentation and their role in modern toxicology. , 2021, , 13-22.		2
51	Expanded utilization of the EpiOcular [®] human corneal tissue model for ocular irritation tests. <i>Toxicology Letters</i> , 2007, 172, S81.	0.4	1
52	In vitro skin irritation test: Increasing the sensitivity of the EpiDerm skin irritation protocol evaluated in the ECVAM skin irritation validation study. <i>Toxicology Letters</i> , 2007, 172, S81.	0.4	1
53	Development and optimization of the epiocular eye irritation test (EpiOcular EIT) for solid materials addressing the EU cosmetic legislation and reach. <i>Toxicology Letters</i> , 2014, 229, S44.	0.4	1
54	The EpiDerm [®] Skin Irritation Test (EpiDerm [®] SIT). , 2017, , 41-57.		1

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55	The EpiDerm [®] , [®] Skin Corrosion Test (EpiDerm [®] , [®] SCT). , 2017, , 127-142.		1
56	A plasmacytoid dendritic cell-based assay system to predict allergenicity potential of chemicals. Toxicology Letters, 2007, 172, S74.	0.4	0
57	In vitro skin corrosion test: Evidence of long term reproducibility and reliability for a regulatory accepted method. Toxicology Letters, 2007, 172, S82.	0.4	0
58	Healing of dermal burn wounds in the EpiDerm-FT [®] , [®] in vitro human skin model. Toxicology Letters, 2008, 180, S105.	0.4	0
59	Mechanisms of innate immunity involvement in airway disease exacerbations: Experiments with in vitro models of human airway epithelial cells (EpiAirway [®] , [®]) and epithelial cell/fibroblast co-cultures (EpiAirway-FT [®] , [®]). Toxicology Letters, 2009, 189, S168.	0.4	0
60	Regulatory requirements for in vitro systems to meet performance standards during validation and over time. Toxicology Letters, 2009, 189, S272-S273.	0.4	0
61	Use of 3D tissue models (EpiDerm, EpiAirway) for nanotoxicology applications. Toxicology Letters, 2012, 211, S42.	0.4	0
62	Importance of reproducibility demonstration of the bio-engineered tissue models used for in vitro toxicity testing purposes. Toxicology Letters, 2013, 221, S149.	0.4	0
63	Importance of reproducibility demonstration of the bio-engineered tissue models used for in vitro toxicity testing purposes. Toxicology Letters, 2014, 229, S143.	0.4	0
64	53rd EUROTOX Congress: Connecting for a Safer Future. Toxicology Letters, 2017, 280, S1.	0.4	0
65	Determination of contact sensitization potential of chemicals using in vitro reconstructed normal human epidermal model EpiDerm: Impact of the modality of application. Toxicology Letters, 2017, 280, S128.	0.4	0
66	CON4EI: SkinEthic Human Corneal Epithelial Eye irritation Test (SkinEthic HCE EIT) for hazard identification and labelling of eye irritating chemicals. Toxicology Letters, 2017, 280, S154-S155.	0.4	0
67	The Three Rs and Alternatives in the Visegrád (V4) Countries. , 2019, , 59-70.		0
68	Toxicological testing of a photoactive phthalocyanine-based antimicrobial substance. Regulatory Toxicology and Pharmacology, 2020, 115, 104685.	1.3	0
69	Virtual Summer School: Alternative methods and models in science: A multidisciplinary in vitro approach. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 500-502.	0.9	0