

Dirk Steinritz

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

1,899
citations

257450

24
h-index

315739

38
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107
all docs

107
docs citations

107
times ranked

1932
citing authors

#	ARTICLE	IF	CITATIONS
1	An ex vivo perfused ventilated murine lung model suggests lack of acute pulmonary toxicity of the potential novel anticancer agent (α ¹)-englerin A. Archives of Toxicology, 2022, 96, 1055-1063.	4.2	1
2	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. Environmental Science and Pollution Research, 2021, 28, 25069-25080.	5.3	14
3	Development of novel carbon black-based heterogeneous oligonucleotide-antibody assay for sulfur mustard detection. Sensors and Actuators B: Chemical, 2021, 328, 129054.	7.8	8
4	Identification of creatine kinase and alpha ¹ -antitrypsin as protein targets of alkylation by sulfur mustard. Drug Testing and Analysis, 2021, 13, 268-282.	2.6	9
5	Chronic senescent human mesenchymal stem cells as possible contributor to the wound healing disorder after exposure to the alkylating agent sulfur mustard. Archives of Toxicology, 2021, 95, 727-747.	4.2	5
6	Alkylated epidermal creatine kinase as a biomarker for sulfur mustard exposure: comparison to adducts of albumin and DNA in an in vivo rat study. Archives of Toxicology, 2021, 95, 1323-1333.	4.2	9
7	Alkylation of rabbit muscle creatine kinase surface methionine residues inhibits enzyme activity in vitro. Archives of Toxicology, 2021, 95, 3253-3261.	4.2	0
8	Transthyretin as a target of alkylation and a potential biomarker for sulfur mustard poisoning: Electrophoretic and mass spectrometric identification and characterization. Drug Testing and Analysis, 2021, , .	2.6	5
9	Comparison of the toxicity of sulfur mustard and its oxidation products in vitro. Toxicology Letters, 2020, 321, 69-72.	0.8	9
10	Validation of automated pipetting systems for cell culture seeding, exposure and bio-analytical assays in sulfur mustard toxicology. Toxicology Letters, 2020, 320, 80-86.	0.8	2
11	Effect of sulfur mustard on melanogenesis in vitro. Toxicology Letters, 2020, 319, 197-203.	0.8	2
12	Toxicokinetic aspects of nerve agents and vesicants. , 2020, , 875-919.		13
13	Assessment of Î±-amanitin toxicity and effects of silibinin and penicillin in different in vitro models. Toxicology in Vitro, 2020, 67, 104921.	2.4	6
14	Assessment of the Acute Inhalation Toxicity of Airborne Particles by Exposing Cultivated Human Lung Cells at the Air-Liquid Interface. Journal of Visualized Experiments, 2020, , .	0.3	2
15	A novel high-performance liquid chromatography with diode array detector method for the simultaneous quantification of the enzyme-activating oximes obidoxime, pralidoxime, and HI in human plasma. Drug Testing and Analysis, 2020, 12, 938-947.	2.6	6
16	Bardoxolone-Methyl (CDDO-Me) Impairs Tumor Growth and Induces Radiosensitization of Oral Squamous Cell Carcinoma Cells. Frontiers in Pharmacology, 2020, 11, 607580.	3.5	4
17	Skin sensitizing effects of sulfur mustard and other alkylating agents in accordance to OECD guidelines. Toxicology Letters, 2019, 314, 172-180.	0.8	6
18	Sulfur mustard alkylates steroid hormones and impacts hormone function in vitro. Archives of Toxicology, 2019, 93, 3141-3152.	4.2	8

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19	Exposure of 19 substances to lung A549 cells at the air liquid interface or under submerged conditions reveals high correlation between cytotoxicity in vitro and CLP classifications for acute lung toxicity. <i>Toxicology Letters</i> , 2019, 316, 119-126.	0.8	13
20	Evaluation of selective and non-selective cyclooxygenase inhibitors on sulfur mustard-induced pro-inflammatory cytokine formation in normal human epidermal keratinocytes. <i>Toxicology Letters</i> , 2019, 312, 109-117.	0.8	9
21	Validation of the CULTEXÂ® Radial Flow System for the assessment of the acute inhalation toxicity of airborne particles. <i>Toxicology in Vitro</i> , 2019, 58, 245-255.	2.4	12
22	Necrosulfonamide â€œ Unexpected effect in the course of a sulfur mustard intoxication. <i>Chemico-Biological Interactions</i> , 2019, 298, 80-85.	4.0	4
23	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. <i>Biosensors and Bioelectronics</i> , 2019, 129, 15-23.	10.1	103
24	A mass spectrometric platform for the quantitation of sulfur mustard-induced nucleic acid adducts as mechanistically relevant biomarkers of exposure. <i>Archives of Toxicology</i> , 2019, 93, 61-79.	4.2	24
25	A novel exposure system generating nebulized aerosol of sulfur mustard in comparison to the standard submerge exposure. <i>Chemico-Biological Interactions</i> , 2019, 298, 121-128.	4.0	1
26	Mobilization of human mesenchymal stem cells through different cytokines and growth factors after their immobilization by sulfur mustard. <i>Toxicology Letters</i> , 2018, 293, 105-111.	0.8	9
27	Cytostatic resistance profile of the sulfur mustard resistant keratinocyte cell line HaCaT/SM. <i>Toxicology Letters</i> , 2018, 293, 16-20.	0.8	7
28	Immediate responses of the cockroach <i>Blaptica dubia</i> after the exposure to sulfur mustard. <i>Archives of Toxicology</i> , 2018, 92, 337-346.	4.2	2
29	Alteration of miRNA expression in a sulfur mustard resistant cell line. <i>Toxicology Letters</i> , 2018, 293, 38-44.	0.8	9
30	Effects of sulfur mustard on mesenchymal stem cells. <i>Toxicology Letters</i> , 2018, 293, 98-104.	0.8	6
31	Anti-apoptotic and moderate anti-inflammatory effects of berberine in sulfur mustard exposed keratinocytes. <i>Toxicology Letters</i> , 2018, 293, 2-8.	0.8	16
32	Effects of anti-inflammatory compounds on sulfur mustard injured cells: Recommendations and caveats suggested by in vitro cell culture models. <i>Toxicology Letters</i> , 2018, 293, 91-97.	0.8	8
33	Zinc chloride-induced TRPA1 activation does not contribute to toxicity in vitro. <i>Toxicology Letters</i> , 2018, 293, 133-139.	0.8	8
34	Sulfur mustard-induced epigenetic modifications over time âˆ™ a pilot study. <i>Toxicology Letters</i> , 2018, 293, 45-50.	0.8	6
35	Sulfur mustard resistant keratinocytes obtained elevated glutathione levels and other changes in the antioxidative defense mechanism. <i>Toxicology Letters</i> , 2018, 293, 51-61.	0.8	8
36	Accidental sulfur mustard exposure: A case report. <i>Toxicology Letters</i> , 2018, 293, 62-66.	0.8	11

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37	Role of Chemosensory TRP Channels in Lung Cancer. <i>Pharmaceuticals</i> , 2018, 11, 90.	3.8	11
38	Transient Receptor Potential Channel A1 (TRPA1) Regulates Sulfur Mustard-Induced Expression of Heat Shock 70 kDa Protein 6 (HSPA6) In Vitro. <i>Cells</i> , 2018, 7, 126.	4.1	9
39	TRPA1 channels: expression in non-neuronal murine lung tissues and dispensability for hyperoxia-induced alveolar epithelial hyperplasia. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1231-1241.	2.8	15
40	Editorial for the special issue SI:MCDC17. <i>Toxicology Letters</i> , 2018, 293, 1.	0.8	0
41	TRPs in Tox: Involvement of Transient Receptor Potential-Channels in Chemical-Induced Organ Toxicity – A Structured Review. <i>Cells</i> , 2018, 7, 98.	4.1	35
42	Transient receptor potential (TRP) channels as molecular targets in lung toxicology and associated diseases. <i>Cell Calcium</i> , 2017, 67, 123-137.	2.4	50
43	S- and N-alkylating agents diminish the fluorescence of fluorescent dye-stained DNA. <i>Chemico-Biological Interactions</i> , 2017, 262, 12-18.	4.0	1
44	The CULTEX [®] Radial Flow System as in vivo model for the assessment of lung toxicity. <i>Toxicology Letters</i> , 2017, 280, S256-S257.	0.8	0
45	N-Acetyl-l-cysteine inhibits sulfur mustard-induced and TRPA1-dependent calcium influx. <i>Archives of Toxicology</i> , 2017, 91, 2179-2189.	4.2	34
46	Sulfur Mustard., 2017, , 2683-2712.		1
47	Optimization of the CULTEX [®] radial flow system for in vitro investigation of lung damaging agents. <i>Toxicology Letters</i> , 2016, 244, 28-34.	0.8	12
48	Upregulation of miR-203 and miR-210 affect growth and differentiation of keratinocytes after exposure to sulfur mustard in normoxia and hypoxia. <i>Toxicology Letters</i> , 2016, 244, 81-87.	0.8	20
49	Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM. <i>Toxicology Letters</i> , 2016, 244, 49-55.	0.8	10
50	Impairment of hypoxia-induced HIF-1 α signaling in keratinocytes and fibroblasts by sulfur mustard is counteracted by a selective PHD-2 inhibitor. <i>Archives of Toxicology</i> , 2016, 90, 1141-1150.	4.2	14
51	Epigenetic modulations in early endothelial cells and DNA hypermethylation in human skin after sulfur mustard exposure. <i>Toxicology Letters</i> , 2016, 244, 95-102.	0.8	18
52	Sulfur and nitrogen mustards induce characteristic poly(ADP-ribosyl)ation responses in HaCaT keratinocytes with distinctive cellular consequences. <i>Toxicology Letters</i> , 2016, 244, 56-71.	0.8	29
53	Immunochemical analysis of poly(ADP-ribosyl)ation in HaCaT keratinocytes induced by the mono-alkylating agent 2-chloroethyl ethyl sulfide (CEES): Impact of experimental conditions. <i>Toxicology Letters</i> , 2016, 244, 72-80.	0.8	7
54	Medical documentation, bioanalytical evidence of an accidental human exposure to sulfur mustard and general therapy recommendations. <i>Toxicology Letters</i> , 2016, 244, 112-120.	0.8	59

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55	Development of the sulfur mustard resistant keratinocyte cell line HaCaT/SM. Toxicology Letters, 2016, 244, 44-48.	0.8	8
56	Alteration of miRNA expression in early endothelial cells after exposure with sub-lethal sulfur mustard concentrations. Toxicology Letters, 2016, 244, 88-94.	0.8	11
57	Protective effects of the thiol compounds GSH and NAC against sulfur mustard toxicity in a human keratinocyte cell line. Toxicology Letters, 2016, 244, 35-43.	0.8	25
58	Repetitive obidoxime treatment induced increase of red blood cell acetylcholinesterase activity even in a late phase of a severe methamidophos poisoning: A case report. Toxicology Letters, 2016, 244, 121-123.	0.8	6
59	Sulfur Mustard. , 2016, , 1-30.		3
60	CHAPTER 4. Mustard: Pathophysiology and Therapeutic Approaches. Issues in Toxicology, 2016, , 120-156.	0.1	2
61	CHAPTER 6. Long-Term Effects of the Chemical Warfare Agent Sulfur Mustard. Issues in Toxicology, 2016, , 179-190.	0.1	1
62	Assessment of Endothelial Cell Migration After Exposure to Toxic Chemicals. Journal of Visualized Experiments, 2015, , e52768.	0.3	5
63	Verification of SM Exposure in Biological Samples. , 2015, , 349-358.		2
64	Activation of the chemosensing transient receptor potential channel A1 (TRPA1) by alkylating agents. Archives of Toxicology, 2015, 89, 1631-1643.	4.2	29
65	Wnt5a/ β 2-Catenin Signaling Drives Calcium-Induced Differentiation of Human Primary Keratinocytes. Journal of Investigative Dermatology, 2014, 134, 2183-2191.	0.7	33
66	Detection of key enzymes, free radical reaction products and activated signaling molecules as biomarkers of cell damage induced by benzo[a]pyrene in human keratinocytes. Toxicology in Vitro, 2014, 28, 875-884.	2.4	17
67	Development of a co-culture of keratinocytes and immune cells for in vitro investigation of cutaneous sulfur mustard toxicity. Chemico-Biological Interactions, 2014, 223, 117-124.	4.0	14
68	Chlorambucil (nitrogen mustard) induced impairment of early vascular endothelial cell migration " Effects of \pm -linolenic acid and N-acetylcysteine. Chemico-Biological Interactions, 2014, 219, 143-150.	4.0	21
69	STIMulating Stress Fibers in Endothelial Cells. Science Signaling, 2013, 6, pe8.	3.6	10
70	Sulfur mustard induced nuclear translocation of glyceraldehyde-3-phosphate-dehydrogenase (GAPDH). Chemico-Biological Interactions, 2013, 206, 529-535.	4.0	12
71	Influence of organophosphate poisoning on human dendritic cells. Chemico-Biological Interactions, 2013, 206, 472-478.	4.0	27
72	Silibinin as a potential therapeutic for sulfur mustard injuries. Chemico-Biological Interactions, 2013, 206, 496-504.	4.0	29

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73	Modified immunoslotblot assay to detect hemi and sulfur mustard DNA adducts. <i>Chemico-Biological Interactions</i> , 2013, 206, 523-528.	4.0	14
74	Functional expression of the transient receptor potential channel TRPA1, a sensor for toxic lung inhalants, in pulmonary epithelial cells. <i>Chemico-Biological Interactions</i> , 2013, 206, 462-471.	4.0	57
75	Prevalidation of the CULTEX [®] method (BMBF project 0315710): The air-liquid interface exposure of human lung cells in the CULTEX [®] Radial Flow System (RFS). <i>Toxicology Letters</i> , 2013, 221, S158.	0.8	0
76	Mesenchymal stem cells are highly resistant to sulfur mustard. <i>Chemico-Biological Interactions</i> , 2013, 206, 505-511.	4.0	17
77	Use of the Cultex [®] Radial Flow System as an in vitro exposure method to assess acute pulmonary toxicity of fine dusts and nanoparticles with special focus on the intra- and inter-laboratory reproducibility. <i>Chemico-Biological Interactions</i> , 2013, 206, 479-490.	4.0	38
78	Chemosensory TRP Channels in the Respiratory Tract: Role in Toxic Lung Injury and Potential as "Sweet Spots" for Targeted Therapies. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2013, 165, 31-65.	1.6	26
79	Sulfur mustard induces differentiation in human primary keratinocytes: Opposite roles of p38 and ERK1/2 MAPK. <i>Toxicology Letters</i> , 2011, 204, 43-51.	0.8	23
80	Atropine maintenance dosage in patients with severe organophosphate pesticide poisoning. <i>Toxicology Letters</i> , 2011, 206, 77-83.	0.8	31
81	High-throughput analysis of DNA interstrand crosslinks in human peripheral blood mononuclear cells by automated reverse FADU assay. <i>Toxicology</i> , 2011, 280, 53-60.	4.2	24
82	Effect of N-Acetyl Cysteine and α -Linolenic Acid on Sulfur Mustard Caused Impairment of In Vitro Endothelial Tube Formation. <i>Toxicological Sciences</i> , 2010, 118, 521-529.	3.1	16
83	Acute effects of sulfur mustard injury "Munich experiences". <i>Toxicology</i> , 2009, 263, 3-8.	4.2	121
84	Nitrogen mustard (Chlorambucil) has a negative influence on early vascular development. <i>Toxicology</i> , 2009, 263, 32-40.	4.2	17
85	Molecular toxicology of sulfur mustard-induced cutaneous inflammation and blistering. <i>Toxicology</i> , 2009, 263, 12-19.	4.2	223
86	Sulphur mustard induces time- and concentration-dependent regulation of NO-synthesizing enzymes. <i>Toxicology Letters</i> , 2009, 188, 263-269.	0.8	30
87	New Methods to Detect Sulfur Mustard (SM) and SM-Induced Skin Damage. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009, , 127-133.	0.5	6
88	Apoptosis in sulfur mustard treated A549 cell cultures. <i>Life Sciences</i> , 2007, 80, 2199-2201.	4.3	44
89	Nebivolol induces eNOS activation and NO-liberation in murine corpus cavernosum. <i>Life Sciences</i> , 2007, 80, 2421-2427.	4.3	23
90	Assessment of Alterations in Barrier Functionality and Induction of Proinflammatory and Cytotoxic Effects After Sulfur Mustard Exposure of an In Vitro Coculture Model of the Human Alveolo-Capillary Barrier. <i>Inhalation Toxicology</i> , 2007, 19, 657-665.	1.6	26

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91	Red Blood Cell Acetylcholinesterase and Plasma Butyrylcholinesterase Status: Important Indicators for the Treatment of Patients Poisoned by Organophosphorus Compounds. Arhiv Za Higijenu Rada I Toksikologiju, 2007, 58, 359-366.	0.7	32
92	Î²3-Adrenergic eNOS stimulation in left ventricular murine myocardium. Canadian Journal of Physiology and Pharmacology, 2006, 84, 1051-1060.	1.4	26
93	Evaluation of tetrahydrobiopterin (BH4) as a potential therapeutic agent to treat erectile dysfunction. Asian Journal of Andrology, 2006, 8, 159-167.	1.6	13
94	eNOS translocation but not eNOS phosphorylation is dependent on intracellular Ca ²⁺ in human atrial myocardium. American Journal of Physiology - Cell Physiology, 2006, 290, C1437-C1445.	4.6	22
95	Bradykinin Mediates Phosphorylation of eNOS in Odontoblasts. Journal of Dental Research, 2006, 85, 536-541.	5.2	12
96	NO-cGMP Signaling Molecules in Cells of the Rat Molar Dentin-Pulp Complex. Journal of Dental Research, 2005, 84, 618-623.	5.2	18
97	Immunohistochemistry for Structural and Functional Analysis in Cardiovascular Research. , 2005, , 457-484.		0
98	Practical Use of in situ Hybridisation and RT in situ PCR in Cardiovascular Research. , 2005, , 500-524.		0
99	DAF Technique for Real-Time NO Imaging in the Human Myocardium. , 2005, , 546-554.		0
100	The preferential Î²3 -adrenoceptor agonist BRL 37344 increases force via Î²1 -/Î²2 -adrenoceptors and induces endothelial nitric oxide synthase via Î²3 -adrenoceptors in human atrial myocardium. British Journal of Pharmacology, 2003, 138, 521-529.	5.4	53
101	MAP kinase 1/2 (Erk 1/2) and serine/threonine specific protein kinase Akt/PKB expression and activity in the human corpus cavernosum. International Journal of Impotence Research, 2002, 14, 217-225.	1.8	30