Dirk Steinritz

List of Publications by Year
in descending order

101 papers	1,899 citations	257450 24 h-index	315739 38 g-index
107 all docs	107 docs citations	107 times ranked	1932 citing authors

#	Article	IF	Citations
1	Molecular toxicology of sulfur mustard-induced cutaneous inflammation and blistering. Toxicology, 2009, 263, 12-19.	4.2	223
2	Acute effects of sulfur mustard injuryâ€"Munich experiences. Toxicology, 2009, 263, 3-8.	4.2	121
3	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. Biosensors and Bioelectronics, 2019, 129, 15-23.	10.1	103
4	Medical documentation, bioanalytical evidence of an accidental human exposure to sulfur mustard and general therapy recommendations. Toxicology Letters, 2016, 244, 112-120.	0.8	59
5	Functional expression of the transient receptor potential channel TRPA1, a sensor for toxic lung inhalants, in pulmonary epithelial cells. Chemico-Biological Interactions, 2013, 206, 462-471.	4.0	57
6	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
7	Transient receptor potential (TRP) channels as molecular targets in lung toxicology and associated diseases. Cell Calcium, 2017, 67, 123-137.	2.4	50
8	Apoptosis in sulfur mustard treated A549 cell cultures. Life Sciences, 2007, 80, 2199-2201.	4.3	44
9	Use of the CultexÂ® 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. Chemico-Biological Interactions, 2013, 206, 479-490.	4.0	38
10	TRPs in Tox: Involvement of Transient Receptor Potential-Channels in Chemical-Induced Organ Toxicityâ€"A Structured Review. Cells, 2018, 7, 98.	4.1	35
11	N-Acetyl-l-cysteine inhibits sulfur mustard-induced and TRPA1-dependent calcium influx. Archives of Toxicology, 2017, 91, 2179-2189.	4.2	34
12	Wnt5a/Î²-Catenin Signaling Drives Calcium-Induced Differentiation of Human Primary Keratinocytes. Journal of Investigative Dermatology, 2014, 134, 2183-2191.	0.7	33
13	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
14	Atropine maintenance dosage in patients with severe organophosphate pesticide poisoning. Toxicology Letters, 2011, 206, 77-83.	0.8	31
15	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
16	Sulphur mustard induces time- and concentration-dependent regulation of NO-synthesizing enzymes. Toxicology Letters, 2009, 188, 263-269.	0.8	30
17	Silibinin as a potential therapeutic for sulfur mustard injuries. Chemico-Biological Interactions, 2013, 206, 496-504.	4.0	29
18	Activation of the chemosensing transient receptor potential channel A1 (TRPA1) by alkylating agents. Archives of Toxicology, 2015, 89, 1631-1643.	4.2	29

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19	Sulfur and nitrogen mustards induce characteristic poly(ADP-ribosyl)ation responses in HaCaT keratinocytes with distinctive cellular consequences. Toxicology Letters, 2016, 244, 56-71.	0.8	29
20	Influence of organophosphate poisoning on human dendritic cells. Chemico-Biological Interactions, 2013, 206, 472-478.	4.0	27
21	Î²3-Adrenergic eNOS stimulation in left ventricular murine myocardium. Canadian Journal of Physiology and Pharmacology, 2006, 84, 1051-1060.	1.4	26
22	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. Inhalation Toxicology, 2007, 19, 657-665.	1.6	26
23	Chemosensory TRP Channels in the Respiratory Tract: Role in Toxic Lung Injury and Potential as â€œSweet Spotsâ€•for Targeted Therapies. Reviews of Physiology, Biochemistry and Pharmacology, 2013, 165, 31-65.	1.6	26
24	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
25	High-throughput analysis of DNA interstrand crosslinks in human peripheral blood mononuclear cells by automated reverse FADU assay. Toxicology, 2011, 280, 53-60.	4.2	24
26	A mass spectrometric platform for the quantitation of sulfur mustard-induced nucleic acid adducts as mechanistically relevant biomarkers of exposure. Archives of Toxicology, 2019, 93, 61-79.	4.2	24
27	Nebivolol induces eNOS activation and NO-liberation in murine corpus cavernosum. Life Sciences, 2007, 80, 2421-2427.	4.3	23
28	Sulfur mustard induces differentiation in human primary keratinocytes: Opposite roles of p38 and ERK1/2 MAPK. Toxicology Letters, 2011, 204, 43-51.	0.8	23
29	eNOS translocation but not eNOS phosphorylation is dependent on intracellular Ca2+ in human atrial myocardium. American Journal of Physiology - Cell Physiology, 2006, 290, C1437-C1445.	4.6	22
30	Chlorambucil (nitrogen mustard) induced impairment of early vascular endothelial cell migration â€“ Effects of Î±-linolenic acid and N-acetylcysteine. Chemico-Biological Interactions, 2014, 219, 143-150.	4.0	21
31	Upregulation of miR-203 and miR-210 affect growth and differentiation of keratinocytes after exposure to sulfur mustard in normoxia and hypoxia. Toxicology Letters, 2016, 244, 81-87.	0.8	20
32	NO-cGMP Signaling Molecules in Cells of the Rat Molar Dentin-Pulp Complex. Journal of Dental Research, 2005, 84, 618-623.	5.2	18
33	Epigenetic modulations in early endothelial cells and DNA hypermethylation in human skin after sulfur mustard exposure. Toxicology Letters, 2016, 244, 95-102.	0.8	18
34	Nitrogen mustard (Chlorambucil) has a negative influence on early vascular development. Toxicology, 2009, 263, 32-40.	4.2	17
35	Mesenchymal stem cells are highly resistant to sulfur mustard. Chemico-Biological Interactions, 2013, 206, 505-511.	4.0	17
36	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

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37	Effect of N-Acetyl Cysteine and Î±-Linolenic Acid on Sulfur Mustard Caused Impairment of In Vitro Endothelial Tube Formation. Toxicological Sciences, 2010, 118, 521-529.	3.1	16
38	Anti-apoptotic and moderate anti-inflammatory effects of berberine in sulfur mustard exposed keratinocytes. Toxicology Letters, 2018, 293, 2-8.	0.8	16
39	TRPA1 channels: expression in non-neuronal murine lung tissues and dispensability for hyperoxia-induced alveolar epithelial hyperplasia. Pflugers Archiv European Journal of Physiology, 2018, 470, 1231-1241.	2.8	15
40	Modified immunoslotblot assay to detect hemi and sulfur mustard DNA adducts. Chemico-Biological Interactions, 2013, 206, 523-528.	4.0	14
41	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
42	Impairment of hypoxia-induced HIF-1Î± signaling in keratinocytes and fibroblasts by sulfur mustard is counteracted by a selective PHD-2 inhibitor. Archives of Toxicology, 2016, 90, 1141-1150.	4.2	14
43	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. Environmental Science and Pollution Research, 2021, 28, 25069-25080.	5.3	14
44	Evaluation of tetrahydrobiopterin (BH4) as a potential therapeutic agent to treat erectile dysfunction. Asian Journal of Andrology, 2006, 8, 159-167.	1.6	13
45	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. Toxicology Letters, 2019, 316, 119-126.	0.8	13
46	Toxicokinetic aspects of nerve agents and vesicants. , 2020, , 875-919.		13
47	Bradykinin Mediates Phosphorylation of eNOS in Odontoblasts. Journal of Dental Research, 2006, 85, 536-541.	5.2	12
48	Sulfur mustard induced nuclear translocation of glyceraldehyde-3-phosphate-dehydrogenase (GAPDH). Chemico-Biological Interactions, 2013, 206, 529-535.	4.0	12
49	Optimization of the CULTEXÂ® radial flow system for in vitro investigation of lung damaging agents. Toxicology Letters, 2016, 244, 28-34.	0.8	12
50	Validation of the CULTEXÂ® Radial Flow System for the assessment of the acute inhalation toxicity of airborne particles. Toxicology in Vitro, 2019, 58, 245-255.	2.4	12
51	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
52	Accidental sulfur mustard exposure: A case report. Toxicology Letters, 2018, 293, 62-66.	0.8	11
53	Role of Chemosensory TRP Channels in Lung Cancer. Pharmaceuticals, 2018, 11, 90.	3.8	11
54	STIMulating Stress Fibers in Endothelial Cells. Science Signaling, 2013, 6, pe8.	3.6	10

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55	Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM. Toxicology Letters, 2016, 244, 49-55.	0.8	10
56	Mobilization of human mesenchymal stem cells through different cytokines and growth factors after their immobilization by sulfur mustard. Toxicology Letters, 2018, 293, 105-111.	0.8	9
57	Alteration of miRNA expression in a sulfur mustard resistant cell line. Toxicology Letters, 2018, 293, 38-44.	0.8	9
58	Transient Receptor Potential Channel A1 (TRPA1) Regulates Sulfur Mustard-Induced Expression of Heat Shock 70 kDa Protein 6 (HSPA6) In Vitro. Cells, 2018, 7, 126.	4.1	9
59	Evaluation of selective and non-selective cyclooxygenase inhibitors on sulfur mustard-induced pro-inflammatory cytokine formation in normal human epidermal keratinocytes. Toxicology Letters, 2019, 312, 109-117.	0.8	9
60	Comparison of the toxicity of sulfur mustard and its oxidation products in vitro. Toxicology Letters, 2020, 321, 69-72.	0.8	9
61	Identification of creatine kinase and alphaâ€1 antitrypsin as protein targets of alkylation by sulfur mustard. Drug Testing and Analysis, 2021, 13, 268-282.	2.6	9
62	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
63	Development of the sulfur mustard resistant keratinocyte cell line HaCaT/SM. Toxicology Letters, 2016, 244, 44-48.	0.8	8
64	Effects of anti-inflammatory compounds on sulfur mustard injured cells: Recommendations and caveats suggested by in vitro cell culture models. Toxicology Letters, 2018, 293, 91-97.	0.8	8
65	Zinc chloride-induced TRPA1 activation does not contribute to toxicity in vitro. Toxicology Letters, 2018, 293, 133-139.	0.8	8
66	Sulfur mustard resistant keratinocytes obtained elevated glutathione levels and other changes in the antioxidative defense mechanism. Toxicology Letters, 2018, 293, 51-61.	0.8	8
67	Sulfur mustard alkylates steroid hormones and impacts hormone function in vitro. Archives of Toxicology, 2019, 93, 3141-3152.	4.2	8
68	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
69	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. Toxicology Letters, 2016, 244, 72-80.	0.8	7
70	Cytostatic resistance profile of the sulfur mustard resistant keratinocyte cell line HaCaT/SM. Toxicology Letters, 2018, 293, 16-20.	0.8	7
71	New Methods to Detect Sulfur Mustard (SM) and SM-Induced Skin Damage. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 127-133.	0.5	6
72	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

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73	Effects of sulfur mustard on mesenchymal stem cells. Toxicology Letters, 2018, 293, 98-104.	0.8	6
74	Sulfur mustard-induced epigenetic modifications over time â˘ a pilot study. Toxicology Letters, 2018, 293, 45-50.	0.8	6
75	Skin sensitizing effects of sulfur mustard and other alkylating agents in accordance to OECD guidelines. Toxicology Letters, 2019, 314, 172-180.	0.8	6
76	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
77	A novel highâ€performance liquid chromatography with diode array detector method for the simultaneous quantification of the enzymeâ€reactivating oximes obidoxime, pralidoxime, and HIâ€6 in human plasma. Drug Testing and Analysis, 2020, 12, 938-947.	2.6	6
78	Assessment of Endothelial Cell Migration After Exposure to Toxic Chemicals. Journal of Visualized Experiments, 2015, , e52768.	0.3	5
79	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
80	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
81	Necrosulfonamide â€" Unexpected effect in the course of a sulfur mustard intoxication. Chemico-Biological Interactions, 2019, 298, 80-85.	4.0	4
82	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
83	Sulfur Mustard. , 2016, , 1-30.		3
84	Verification of SM Exposure in Biological Samples. , 2015, , 349-358.		2
85	Immediate responses of the cockroach Blaptica dubia after the exposure to sulfur mustard. Archives of Toxicology, 2018, 92, 337-346.	4.2	2
86	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
87	Effect of sulfur mustard on melanogenesis in vitro. Toxicology Letters, 2020, 319, 197-203.	0.8	2
88	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
89	CHAPTER 4. Mustard: Pathophysiology and Therapeutic Approaches. Issues in Toxicology, 2016, , 120-156.	0.1	2
90	S - and N-alkylating agents diminish the fluorescence of fluorescent dye-stained DNA. Chemico-Biological Interactions, 2017, 262, 12-18.	4.0	1

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91	A novel exposure system generating nebulized aerosol of sulfur mustard in comparison to the standard submerse exposure. Chemico-Biological Interactions, 2019, 298, 121-128.	4.0	1
92	CHAPTER 6. Long-Term Effects of the Chemical Warfare Agent Sulfur Mustard. Issues in Toxicology, 2016, , 179-190.	0.1	1
93	Sulfur Mustard. , 2017, , 2683-2712.		1
94	An ex vivo perfused ventilated murine lung model suggests lack of acute pulmonary toxicity of the potential novel anticancer agent (âˆ’)-englerin A. Archives of Toxicology, 2022, 96, 1055-1063.	4.2	1
95	Immunohistochemistry for Structural and Functional Analysis in Cardiovascular Research. , 2005, , 457-484.		0
96	Practical Use of in situ Hybridisation and RT in situ PCR in Cardiovascular Research. , 2005, , 500-524.		0
97	DAF Technique for Real-Time NO Imaging in the Human Myocardium. , 2005, , 546-554.		0
98	Prevalidation of the CULTEXÂ® method (BMBF project 0315710): The airâ€“liquid interface exposure of human lung cells in the CULTEXÂ® Radial Flow System (RFS). Toxicology Letters, 2013, 221, S158.	0.8	0
99	The CULTEX Â® Radial Flow System as in vivo model for the assessment of lung toxicity. Toxicology Letters, 2017, 280, S256-S257.	0.8	0
100	Editorial for the special issue SI:MCDC17. Toxicology Letters, 2018, 293, 1.	0.8	0
101	Alkylation of rabbit muscle creatine kinase surface methionine residues inhibits enzyme activity in vitro. Archives of Toxicology, 2021, 95, 3253-3261.	4.2	0