Kai Kehe

List of Publications by Year
in descending order

82 papers	3,555 citations	147566 31 h-index	138251 58 g-index
86 all docs	86 docs citations	86 times ranked	3478 citing authors

#	Article	IF	Citations
1	Medical aspects of sulphur mustard poisoning. Toxicology, 2005, 214, 198-209.	2.0	376
2	Lung epithelial cell lines in coculture with human pulmonary microvascular endothelial cells: development of an alveolo-capillary barrier in vitro. Laboratory Investigation, 2004, 84, 736-752.	1.7	243
3	Molecular toxicology of sulfur mustard-induced cutaneous inflammation and blistering. Toxicology, 2009, 263, 12-19.	2.0	223
4	The chronic effects of sulfur mustard exposure. Toxicology, 2009, 263, 9-11.	2.0	133
5	Limitations and challenges in treatment of acute chemical warfare agent poisoning. Chemico-Biological Interactions, 2013, 206, 435-443.	1.7	128
6	Acute effects of sulfur mustard injuryâ€"Munich experiences. Toxicology, 2009, 263, 3-8.	2.0	121
7	Tissue inhibitor of metalloproteinase-1 (TIMP-1) regulates mesenchymal stem cells through let-7f microRNA and Wnt/Î²-catenin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E309-16.	3.3	119
8	In vitro embryotoxicity assessment with dental restorative materials. Journal of Dentistry, 2005, 33, 49-55.	1.7	112
9	Genotoxicity and cytotoxicity of dental materials in human lymphocytes as assessed by the single cell microgel electrophoresis (comet) assay. Journal of Dentistry, 2004, 32, 229-234.	1.7	111
10	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. Biosensors and Bioelectronics, 2019, 129, 15-23.	5.3	103
11	Cell death effects of resin-based dental material compounds and mercurials in human gingival fibroblasts. Archives of Toxicology, 2006, 80, 370-377.	1.9	98
12	Rapid determination of hydrogen positions and protonation states of diisopropyl fluorophosphatase by joint neutron and X-ray diffraction refinement. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 713-718.	3.3	77
13	Inhibition of poly(ADP-ribose) polymerase (PARP) influences the mode of sulfur mustard (SM)-induced cell death in HaCaT cells. Archives of Toxicology, 2008, 82, 461-470.	1.9	74
14	Sulfur mustard research--strategies for the development of improved medical therapy. Eplasty, 2008, 8, e32.	0.4	67
15	Reversed Enantioselectivity of Diisopropyl Fluorophosphatase against Organophosphorus Nerve Agents by Rational Design. Journal of the American Chemical Society, 2009, 131, 17226-17232.	6.6	63
16	Cytotoxicity of the dental composite component TEGDMA and selected metabolic by-products in human pulmonary cells. Dental Materials, 2008, 24, 1670-1675.	1.6	62
17	Cytotoxicity of dental composite (co)monomers and the amalgam component Hg2+ in human gingival fibroblasts. Archives of Toxicology, 2006, 80, 465-472.	1.9	61
18	Primary human coculture model of alveolo-capillary unit to study mechanisms of injury to peripheral lung. Cell and Tissue Research, 2009, 336, 91-105.	1.5	60

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19	Barrier functions and paracellular integrity in human cell culture models of the proximal respiratory unit. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 72, 339-349.	2.0	57
20	Cytotoxicity of dental composite components and mercury compounds in lung cells. Dental Materials, 2001, 17, 95-101.	1.6	50
21	Role of poly(ADP-ribose) polymerase in sulfur mustard toxicity. Toxicology, 2009, 263, 20-25.	2.0	45
22	Apoptosis in sulfur mustard treated A549 cell cultures. Life Sciences, 2007, 80, 2199-2201.	2.0	44
23	Uptake, clearance and metabolism of TEGDMA in guinea pigs. Dental Materials, 2002, 18, 581-589.	1.6	43
24	Matrix metalloproteinase-9 expression and release from skin fibroblasts interacting with keratinocytes: Upregulation in response to sulphur mustard. Toxicology, 2009, 263, 26-31.	2.0	43
25	Toxicity potentiation by H2O2 with components of dental restorative materials on human oral cells. Archives of Toxicology, 2008, 82, 21-28.	1.9	42
26	Cytotoxicity of dental composite components and mercury compounds in pulmonary cells. Biomaterials, 2001, 22, 317-322.	5.7	40
27	Role of NF-Î°B/RelA and MAPK Pathways in Keratinocytes in Response to Sulfur Mustard. Journal of Investigative Dermatology, 2008, 128, 1626-1632.	0.3	40
28	Development of antidotes: Problems and strategies. Toxicology, 2007, 233, 23-30.	2.0	38
29	Rapid simultaneous determination of apoptosis, necrosis, and viability in sulfur mustard exposed HaCaT cell cultures. Toxicology Letters, 2009, 191, 260-267.	0.4	38
30	Distribution and Excretion of BisGMA in Guinea Pigs. Journal of Dental Research, 2008, 87, 378-380.	2.5	34
31	Cytotoxicity of ingredients of various dental materials and related compounds in L2- and A549 cells. Journal of Biomedical Materials Research Part B, 2002, 63, 643-649.	3.0	32
32	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.	0.4	32
33	Toxicokinetic of HEMA in guinea pigs. Journal of Dentistry, 2002, 30, 353-358.	1.7	30
34	Sulphur mustard induces time- and concentration-dependent regulation of NO-synthesizing enzymes. Toxicology Letters, 2009, 188, 263-269.	0.4	30
35	Silibinin as a potential therapeutic for sulfur mustard injuries. Chemico-Biological Interactions, 2013, 206, 496-504.	1.7	29
36	Tissue engineering with HaCaT cells and a fibroblast cell line. Archives of Dermatological Research, 1999, 291, 600-605.	1.1	27

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37	Quantification of hydrolysis of toxic organophosphates and organophosphonates by diisopropyl fluorophosphatase from Loligo vulgaris by in situ Fourier transform infrared spectroscopy. Analytical Biochemistry, 2009, 385, 187-193.	1.1	27
38	On-site analysis of acetylcholinesterase and butyrylcholinesterase activity with the ChE check mobile test kitâ€"Determination of reference values and their relevance for diagnosis of exposure to organophosphorus compounds. Toxicology Letters, 2016, 249, 22-28.	0.4	27
39	Effect of layer thickness on the elution of bulk-fill composite components. Dental Materials, 2017, 33, 54-62.	1.6	27
40	Biological clearance of TEGDMA in guinea pigs. Archives of Toxicology, 2001, 75, 22-27.	1.9	26
41	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.	0.8	26
42	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.	0.4	25
43	Acute Morphological and Toxicological Effects in a Human Bronchial Coculture Model after Sulfur Mustard Exposure. Toxicological Sciences, 2009, 112, 482-489.	1.4	24
44	High-throughput analysis of DNA interstrand crosslinks in human peripheral blood mononuclear cells by automated reverse FADU assay. Toxicology, 2011, 280, 53-60.	2.0	24
45	Toxicokinetic Aspects of Nerve Agents and Vesicants. , 2015, , 817-856.		24
46	Nebivolol induces eNOS activation and NO-liberation in murine corpus cavernosum. Life Sciences, 2007, 80, 2421-2427.	2.0	23
47	Sulfur mustard induces differentiation in human primary keratinocytes: Opposite roles of p38 and ERK1/2 MAPK. Toxicology Letters, 2011, 204, 43-51.	0.4	23
48	Effect of OpalescenceÂ® bleaching gels on the elution of bulk-fill composite components. Dental Materials, 2016, 32, 127-135.	1.6	23
49	Side-specific effects by cadmium exposure: Apical and basolateral treatment in a coculture model of the bloodâ€"air barrier. Toxicology and Applied Pharmacology, 2010, 245, 361-369.	1.3	22
50	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.	1.7	21
51	Monitoring the hydrolysis of toxic organophosphonate nerve agents in aqueous buffer and in bicontinuous microemulsions by use of diisopropyl fluorophosphatase (DFPase) with 1Hâ€"31P HSQC NMR spectroscopy. Analytical and Bioanalytical Chemistry, 2010, 396, 1213-1221.	1.9	18
52	<i>In vitro</i> and <i>in vivo</i> efficacy of PEGylated diisopropyl fluorophosphatase (DFPase). Drug Testing and Analysis, 2012, 4, 262-270.	1.6	18
53	An enzyme containing microemulsion based on skin friendly oil and surfactant as decontamination medium for organo phosphates: Phase behavior, structure, and enzyme activity. Journal of Colloid and Interface Science, 2014, 413, 127-132.	5.0	18
54	Sulfur mustard induces apoptosis and necrosis in SCL II cells in vitro. Journal of Applied Toxicology, 2001, 20, S81-S86.	1.4	17

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55	Nitrogen mustard (Chlorambucil) has a negative influence on early vascular development. Toxicology, 2009, 263, 32-40.	2.0	17
56	Biological clearance of HEMA in guinea pigs. Biomaterials, 2002, 23, 2135-2141.	5.7	16
57	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.	1.4	16
58	Anti-apoptotic and moderate anti-inflammatory effects of berberine in sulfur mustard exposed keratinocytes. Toxicology Letters, 2018, 293, 2-8.	0.4	16
59	Modified immunoslotblot assay to detect hemi and sulfur mustard DNA adducts. Chemico-Biological Interactions, 2013, 206, 523-528.	1.7	14
60	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. Environmental Science and Pollution Research, 2021, 28, 25069-25080.	2.7	14
61	Effects of Lewisite on cell membrane integrity and energy metabolism in human keratinocytes and SCL II cells. Toxicology, 2001, 163, 137-144.	2.0	13
62	Toxicokinetics of Chemical Warfare Agents. , 2009, , 755-790.		13
63	Effect of various light curing times on the elution of composite components. Clinical Oral Investigations, 2016, 20, 2113-2121.	1.4	13
64	Toxicokinetic aspects of nerve agents and vesicants. , 2020, , 875-919.		13
65	Acute cytotoxicity and apoptotic effects after l-Pam exposure in different cocultures of the proximal and distal respiratory system. Journal of Biotechnology, 2010, 148, 31-37.	1.9	12
66	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.	0.4	9
67	Zinc chloride-induced TRPA1 activation does not contribute to toxicity in vitro. Toxicology Letters, 2018, 293, 133-139.	0.4	8
68	Development of novel carbon black-based heterogeneous oligonucleotide-antibody assay for sulfur mustard detection. Sensors and Actuators B: Chemical, 2021, 328, 129054.	4.0	8
69	Editorial. Toxicology, 2009, 263, 1.	2.0	7
70	Sulfur mustard-induced epigenetic modifications over time â˘ a pilot study. Toxicology Letters, 2018, 293, 45-50.	0.4	6
71	Skin sensitizing effects of sulfur mustard and other alkylating agents in accordance to OECD guidelines. Toxicology Letters, 2019, 314, 172-180.	0.4	6
72	Necrosulfonamide â€“ Unexpected effect in the course of a sulfur mustard intoxication. Chemico-Biological Interactions, 2019, 298, 80-85.	1.7	4

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73	Validation of automated pipetting systems for cell culture seeding, exposure and bio-analytical assays in sulfur mustard toxicology. Toxicology Letters, 2020, 320, 80-86.	0.4	2
74	Chemical and Biological Weapons and Their Regulation. , 2014, , 855-868.		2
75	CHAPTER 4. Mustard: Pathophysiology and Therapeutic Approaches. Issues in Toxicology, 2016, , 120-156.	0.2	2
76	Analysis of matrix metalloproteinase expression in different types of skin and lung cells after exposure to sulfur mustard. Toxicology, 2007, 233, 227.	2.0	1
77	S - and N-alkylating agents diminish the fluorescence of fluorescent dye-stained DNA. Chemico-Biological Interactions, 2017, 262, 12-18.	1.7	1
78	CHAPTER 6. Long-Term Effects of the Chemical Warfare Agent Sulfur Mustard. Issues in Toxicology, 2016, , 179-190.	0.2	1
79	Medical Aspects of Chemical Warfare Agents. , 0, , 201-221.		0
80	Bruno Papirmeister, 15 October 1925â€“30 March 2009. Toxicology, 2009, 263, 2.	2.0	0
81	Risk Management in Toxicological Disasters. , 2014, , 739-746.		0
82	Analysis of Digital Documentation Speed and Sequence Using Digital Paper and Pen Technology During the Refugee Crisis in Europe: Content Analysis. JMIR MHealth and UHealth, 2019, 7, e13516.	1.8	0