

# Kai Kehe

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

3,049  
citations

29  
h-index

53  
g-index

86  
ext. papers

3,295  
ext. citations

5.2  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
78	Medical aspects of sulphur mustard poisoning. <i>Toxicology</i> , <b>2005</b> , 214, 198-209	4.4	333
77	Lung epithelial cell lines in coculture with human pulmonary microvascular endothelial cells: development of an alveolo-capillary barrier in vitro. <i>Laboratory Investigation</i> , <b>2004</b> , 84, 736-52	5.9	216
76	Molecular toxicology of sulfur mustard-induced cutaneous inflammation and blistering. <i>Toxicology</i> , <b>2009</b> , 263, 12-9	4.4	199
75	The chronic effects of sulfur mustard exposure. <i>Toxicology</i> , <b>2009</b> , 263, 9-11	4.4	120
74	Acute effects of sulfur mustard injury--Munich experiences. <i>Toxicology</i> , <b>2009</b> , 263, 3-8	4.4	111
73	Limitations and challenges in treatment of acute chemical warfare agent poisoning. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 435-43	5	108
72	In vitro embryotoxicity assessment with dental restorative materials. <i>Journal of Dentistry</i> , <b>2005</b> , 33, 49-55	5.8	99
71	Genotoxicity and cytotoxicity of dental materials in human lymphocytes as assessed by the single cell microgel electrophoresis (comet) assay. <i>Journal of Dentistry</i> , <b>2004</b> , 32, 229-34	4.8	97
70	Tissue inhibitor of metalloproteinase-1 (TIMP-1) regulates mesenchymal stem cells through let-7f microRNA and Wnt/ $\beta$ -catenin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E309-16	11.5	94
69	Cell death effects of resin-based dental material compounds and mercurials in human gingival fibroblasts. <i>Archives of Toxicology</i> , <b>2006</b> , 80, 370-7	5.8	71
68	A wearable origami-like paper-based electrochemical biosensor for sulfur mustard detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 129, 15-23	11.8	69
67	Rapid determination of hydrogen positions and protonation states of diisopropyl fluorophosphatase by joint neutron and X-ray diffraction refinement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 713-8	11.5	68
66	Inhibition of poly(ADP-ribose) polymerase (PARP) influences the mode of sulfur mustard (SM)-induced cell death in HaCaT cells. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 461-70	5.8	67
65	Sulfur mustard research--strategies for the development of improved medical therapy. <i>Eplasty</i> , <b>2008</b> , 8, e32	0.3	61
64	Cytotoxicity of dental composite (co)monomers and the amalgam component Hg(2+) in human gingival fibroblasts. <i>Archives of Toxicology</i> , <b>2006</b> , 80, 465-72	5.8	54
63	Reversed enantioselectivity of diisopropyl fluorophosphatase against organophosphorus nerve agents by rational design. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17226-32	16.4	53
62	Primary human coculture model of alveolo-capillary unit to study mechanisms of injury to peripheral lung. <i>Cell and Tissue Research</i> , <b>2009</b> , 336, 91-105	4.2	52

61	Barrier functions and paracellular integrity in human cell culture models of the proximal respiratory unit. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2009</b> , 72, 339-49	5.7	49
60	Cytotoxicity of the dental composite component TEGDMA and selected metabolic by-products in human pulmonary cells. <i>Dental Materials</i> , <b>2008</b> , 24, 1670-5	5.7	45
59	Cytotoxicity of dental composite components and mercury compounds in lung cells. <i>Dental Materials</i> , <b>2001</b> , 17, 95-101	5.7	44
58	Apoptosis in sulfur mustard treated A549 cell cultures. <i>Life Sciences</i> , <b>2007</b> , 80, 2199-201	6.8	43
57	Role of poly(ADP-ribose) polymerase in sulfur mustard toxicity. <i>Toxicology</i> , <b>2009</b> , 263, 20-5	4.4	42
56	Matrix metalloproteinase-9 expression and release from skin fibroblasts interacting with keratinocytes: Upregulation in response to sulphur mustard. <i>Toxicology</i> , <b>2009</b> , 263, 26-31	4.4	42
55	Role of NF-kappaB/RelA and MAPK pathways in keratinocytes in response to sulfur mustard. <i>Journal of Investigative Dermatology</i> , <b>2008</b> , 128, 1626-32	4.3	38
54	Rapid simultaneous determination of apoptosis, necrosis, and viability in sulfur mustard exposed HaCaT cell cultures. <i>Toxicology Letters</i> , <b>2009</b> , 191, 260-7	4.4	36
53	Uptake, clearance and metabolism of TEGDMA in guinea pigs. <i>Dental Materials</i> , <b>2002</b> , 18, 581-9	5.7	36
52	Cytotoxicity of dental composite components and mercury compounds in pulmonary cells. <i>Biomaterials</i> , <b>2001</b> , 22, 317-22	15.6	35
51	Development of antidotes: problems and strategies. <i>Toxicology</i> , <b>2007</b> , 233, 23-30	4.4	34
50	Toxicity potentiation by H2O2 with components of dental restorative materials on human oral cells. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 21-8	5.8	34
49	Sulphur mustard induces time- and concentration-dependent regulation of NO-synthesizing enzymes. <i>Toxicology Letters</i> , <b>2009</b> , 188, 263-9	4.4	28
48	Cytotoxicity of ingredients of various dental materials and related compounds in L2- and A549 cells. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 63, 643-9		28
47	Toxicokinetic of HEMA in guinea pigs. <i>Journal of Dentistry</i> , <b>2002</b> , 30, 353-8	4.8	28
46	Red blood cell acetylcholinesterase and plasma butyrylcholinesterase status: important indicators for the treatment of patients poisoned by organophosphorus compounds. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , <b>2007</b> , 58, 359-66	1.7	27
45	Silibinin as a potential therapeutic for sulfur mustard injuries. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 496-504	5	26
44	Distribution and excretion of BisGMA in guinea pigs. <i>Journal of Dental Research</i> , <b>2008</b> , 87, 378-80	8.1	26

43	Quantification of hydrolysis of toxic organophosphates and organophosphonates by diisopropyl fluorophosphatase from <i>Loligo vulgaris</i> by in situ Fourier transform infrared spectroscopy. <i>Analytical Biochemistry</i> , <b>2009</b> , 385, 187-93	3.1	25
42	Biological clearance of TEGDMA in guinea pigs. <i>Archives of Toxicology</i> , <b>2001</b> , 75, 22-7	5.8	24
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. <i>Inhalation Toxicology</i> , <b>2007</b> , 19, 657-65	2.7	23
40	Protective effects of the thiol compounds GSH and NAC against sulfur mustard toxicity in a human keratinocyte cell line. <i>Toxicology Letters</i> , <b>2016</b> , 244, 35-43	4.4	22
39	Acute morphological and toxicological effects in a human bronchial coculture model after sulfur mustard exposure. <i>Toxicological Sciences</i> , <b>2009</b> , 112, 482-9	4.4	22
38	Tissue engineering with HaCaT cells and a fibroblast cell line. <i>Archives of Dermatological Research</i> , <b>1999</b> , 291, 600-5	3.3	22
37	Toxicokinetic Aspects of Nerve Agents and Vesicants <b>2015</b> , 817-856		21
36	Sulfur mustard induces differentiation in human primary keratinocytes: opposite roles of p38 and ERK1/2 MAPK. <i>Toxicology Letters</i> , <b>2011</b> , 204, 43-51	4.4	21
35	High-throughput analysis of DNA interstrand crosslinks in human peripheral blood mononuclear cells by automated reverse FADU assay. <i>Toxicology</i> , <b>2011</b> , 280, 53-60	4.4	20
34	Side-specific effects by cadmium exposure: apical and basolateral treatment in a coculture model of the blood-air barrier. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 245, 361-9	4.6	20
33	Chlorambucil (nitrogen mustard) induced impairment of early vascular endothelial cell migration - effects of linolenic acid and N-acetylcysteine. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 219, 143-50	5	19
32	On-site analysis of acetylcholinesterase and butyrylcholinesterase activity with the ChE check mobile test kit-Determination of reference values and their relevance for diagnosis of exposure to organophosphorus compounds. <i>Toxicology Letters</i> , <b>2016</b> , 249, 22-8	4.4	19
31	Effect of layer thickness on the elution of bulk-fill composite components. <i>Dental Materials</i> , <b>2017</b> , 33, 54-62	5.7	18
30	An enzyme containing microemulsion based on skin friendly oil and surfactant as decontamination medium for organo phosphates: phase behavior, structure, and enzyme activity. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 413, 127-32	9.3	18
29	Monitoring the hydrolysis of toxic organophosphonate nerve agents in aqueous buffer and in bicontinuous microemulsions by use of diisopropyl fluorophosphatase (DFPase) with (1)H- (31)P HSQC NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 1213-21	4.4	17
28	Nebivolol induces eNOS activation and NO-liberation in murine corpus cavernosum. <i>Life Sciences</i> , <b>2007</b> , 80, 2421-7	6.8	17
27	Effect of N-acetyl cysteine and alpha-linolenic acid on sulfur mustard caused impairment of in vitro endothelial tube formation. <i>Toxicological Sciences</i> , <b>2010</b> , 118, 521-9	4.4	15
26	Sulfur mustard induces apoptosis and necrosis in SCL II cells in vitro. <i>Journal of Applied Toxicology</i> , <b>2000</b> , 20 Suppl 1, S81-6	4.1	15

25	In vitro and in vivo efficacy of PEGylated diisopropyl fluorophosphatase (DFPase). <i>Drug Testing and Analysis</i> , <b>2012</b> , 4, 262-70	3.5	14
24	Nitrogen mustard (Chlorambucil) has a negative influence on early vascular development. <i>Toxicology</i> , <b>2009</b> , 263, 32-40	4.4	14
23	Biological clearance of HEMA in guinea pigs. <i>Biomaterials</i> , <b>2002</b> , 23, 2135-41	15.6	14
22	Toxicokinetics of Chemical Warfare Agents: Nerve Agents and Vesicants <b>2009</b> , 755-790		13
21	Modified immunoslotblot assay to detect hemi and sulfur mustard DNA adducts. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 523-8	5	12
20	Effects of Lewisite on cell membrane integrity and energy metabolism in human keratinocytes and SCL II cells. <i>Toxicology</i> , <b>2001</b> , 163, 137-44	4.4	12
19	Anti-apoptotic and moderate anti-inflammatory effects of berberine in sulfur mustard exposed keratinocytes. <i>Toxicology Letters</i> , <b>2018</b> , 293, 2-8	4.4	11
18	Effect of various light curing times on the elution of composite components. <i>Clinical Oral Investigations</i> , <b>2016</b> , 20, 2113-2121	4.2	11
17	Effect of Opalescence(□) bleaching gels on the elution of bulk-fill composite components. <i>Dental Materials</i> , <b>2016</b> , 32, 127-35	5.7	11
16	Acute cytotoxicity and apoptotic effects after I-Pam exposure in different cocultures of the proximal and distal respiratory system. <i>Journal of Biotechnology</i> , <b>2010</b> , 148, 31-7	3.7	8
15	Paper-based electrochemical sensor for on-site detection of the sulphur mustard. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 25069-25080	5.1	8
14	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> , <b>2019</b> , 312, 109-117	4.4	7
13	Zinc chloride-induced TRPA1 activation does not contribute to toxicity in vitro. <i>Toxicology Letters</i> , <b>2018</b> , 293, 133-139	4.4	7
12	Toxicokinetic aspects of nerve agents and vesicants <b>2020</b> , 875-919		6
11	Skin sensitizing effects of sulfur mustard and other alkylating agents in accordance to OECD guidelines. <i>Toxicology Letters</i> , <b>2019</b> , 314, 172-180	4.4	6
10	Sulfur mustard-induced epigenetic modifications over time - a pilot study. <i>Toxicology Letters</i> , <b>2018</b> , 293, 45-50	4.4	5
9	Necrosulfonamide - Unexpected effect in the course of a sulfur mustard intoxication. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 298, 80-85	5	3
8	Development of novel carbon black-based heterogeneous oligonucleotide-antibody assay for sulfur mustard detection. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 328, 129054	8.5	3

7	S - and N-alkylating agents diminish the fluorescence of fluorescent dye-stained DNA. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 262, 12-18	5	1
6	Chemische Kampfstoffe <b>2011</b> , 201-233		1
5	Validation of automated pipetting systems for cell culture seeding, exposure and bio-analytical assays in sulfur mustard toxicology. <i>Toxicology Letters</i> , <b>2020</b> , 320, 80-86	4-4	1
4	Preparedness <b>2013</b> , 431-477		
3	Medical Aspects of Chemical Warfare Agents 201-221		
2	Analysis of Digital Documentation Speed and Sequence Using Digital Paper and Pen Technology During the Refugee Crisis in Europe: Content Analysis. <i>JMIR MHealth and UHealth</i> , <b>2019</b> , 7, e13516	5-5	
1	Risk Management in Toxicological Disasters <b>2014</b> , 739-746		