

# Kai Kehe

## List of Publications by Year in Descending Order

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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	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
77	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
76	Toxicokinetic aspects of nerve agents and vesicants <b>2020</b> , 875-919		6
75	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
74	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
73	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
72	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	
71	Necrosulfonamide - Unexpected effect in the course of a sulfur mustard intoxication. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 298, 80-85	5	3
70	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
69	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
68	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
67	Sulfur mustard-induced epigenetic modifications over time - a pilot study. <i>Toxicology Letters</i> , <b>2018</b> , 293, 45-50	4.4	5
66	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
65	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
64	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
63	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
62	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

61	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
60	Toxicokinetic Aspects of Nerve Agents and Vesicants <b>2015</b> , 817-856		21
59	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
58	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
57	Risk Management in Toxicological Disasters <b>2014</b> , 739-746		
56	Silibinin as a potential therapeutic for sulfur mustard injuries. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 496-504	5	26
55	Modified immunoslotblot assay to detect hemi and sulfur mustard DNA adducts. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 523-8	5	12
54	Limitations and challenges in treatment of acute chemical warfare agent poisoning. <i>Chemico-Biological Interactions</i> , <b>2013</b> , 206, 435-43	5	108
53	Preparedness <b>2013</b> , 431-477		
52	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
51	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
50	Chemische Kampfstoffe <b>2011</b> , 201-233		1
49	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
48	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
47	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
46	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
45	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
44	Acute cytotoxicity and apoptotic effects after l-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

43	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
42	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
41	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
40	Acute effects of sulfur mustard injury--Munich experiences. <i>Toxicology</i> , <b>2009</b> , 263, 3-8	4.4	111
39	Role of poly(ADP-ribose) polymerase in sulfur mustard toxicity. <i>Toxicology</i> , <b>2009</b> , 263, 20-5	4.4	42
38	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
37	Nitrogen mustard (Chlorambucil) has a negative influence on early vascular development. <i>Toxicology</i> , <b>2009</b> , 263, 32-40	4.4	14
36	Molecular toxicology of sulfur mustard-induced cutaneous inflammation and blistering. <i>Toxicology</i> , <b>2009</b> , 263, 12-9	4.4	199
35	The chronic effects of sulfur mustard exposure. <i>Toxicology</i> , <b>2009</b> , 263, 9-11	4.4	120
34	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
33	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
32	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
31	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
30	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
29	Toxicokinetics of Chemical Warfare Agents: Nerve Agents and Vesicants <b>2009</b> , 755-790		13
28	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
27	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
26	Distribution and excretion of BisGMA in guinea pigs. <i>Journal of Dental Research</i> , <b>2008</b> , 87, 378-80	8.1	26

25	Toxicity potentiation by H <sub>2</sub> O <sub>2</sub> with components of dental restorative materials on human oral cells. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 21-8	5.8	34
24	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
23	Sulfur mustard research--strategies for the development of improved medical therapy. <i>Eplasty</i> , <b>2008</b> , 8, e32	0.3	61
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. <i>Inhalation Toxicology</i> , <b>2007</b> , 19, 657-65	2.7	23
21	Development of antidotes: problems and strategies. <i>Toxicology</i> , <b>2007</b> , 233, 23-30	4.4	34
20	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
19	Apoptosis in sulfur mustard treated A549 cell cultures. <i>Life Sciences</i> , <b>2007</b> , 80, 2199-201	6.8	43
18	Nebivolol induces eNOS activation and NO-liberation in murine corpus cavernosum. <i>Life Sciences</i> , <b>2007</b> , 80, 2421-7	6.8	17
17	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
16	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
15	In vitro embryotoxicity assessment with dental restorative materials. <i>Journal of Dentistry</i> , <b>2005</b> , 33, 49-55	5.8	99
14	Medical aspects of sulphur mustard poisoning. <i>Toxicology</i> , <b>2005</b> , 214, 198-209	4.4	333
13	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
12	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
11	Uptake, clearance and metabolism of TEGDMA in guinea pigs. <i>Dental Materials</i> , <b>2002</b> , 18, 581-9	5.7	36
10	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
9	Biological clearance of HEMA in guinea pigs. <i>Biomaterials</i> , <b>2002</b> , 23, 2135-41	15.6	14
8	Toxicokinetic of HEMA in guinea pigs. <i>Journal of Dentistry</i> , <b>2002</b> , 30, 353-8	4.8	28

7	Biological clearance of TEGDMA in guinea pigs. <i>Archives of Toxicology</i> , <b>2001</b> , 75, 22-7	5.8	24
6	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
5	Cytotoxicity of dental composite components and mercury compounds in pulmonary cells. <i>Biomaterials</i> , <b>2001</b> , 22, 317-22	15.6	35
4	Cytotoxicity of dental composite components and mercury compounds in lung cells. <i>Dental Materials</i> , <b>2001</b> , 17, 95-101	5.7	44
3	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
2	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
1	Medical Aspects of Chemical Warfare Agents 201-221		