

Andreas Kortenkamp

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1943338/andreas-kortenkamp-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

116
papers

7,692
citations

46
h-index

86
g-index

122
ext. papers

8,881
ext. citations

6.7
avg, IF

6.3
L-index

#	Paper	IF	Citations
116	Something from "nothing"--eight weak estrogenic chemicals combined at concentrations below NOECs produce significant mixture effects. <i>Environmental Science & Technology</i> , 2002 , 36, 1751-6	10.3	676
115	Ten years of mixing cocktails: a review of combination effects of endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , 2007 , 115 Suppl 1, 98-105	8.4	417
114	Combining xenoestrogens at levels below individual no-observed-effect concentrations dramatically enhances steroid hormone action. <i>Environmental Health Perspectives</i> , 2002 , 110, 917-21	8.4	356
113	Consensus on the key characteristics of endocrine-disrupting chemicals as a basis for hazard identification. <i>Nature Reviews Endocrinology</i> , 2020 , 16, 45-57	15.2	224
112	Combined exposure to anti-androgens exacerbates disruption of sexual differentiation in the rat. <i>Environmental Health Perspectives</i> , 2007 , 115 Suppl 1, 122-8	8.4	215
111	Estimating burden and disease costs of exposure to endocrine-disrupting chemicals in the European union. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1245-55	5.6	209
110	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. <i>Science of the Total Environment</i> , 2015 , 512-513, 540-551	10.2	198
109	Do cytotoxic chemotherapy drugs discharged into rivers pose a risk to the environment and human health? An overview and UK case study. <i>Journal of Hydrology</i> , 2008 , 348, 167-175	6	193
108	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. <i>Archives of Toxicology</i> , 2013 , 87, 123-43	5.8	157
107	Synergistic disruption of external male sex organ development by a mixture of four antiandrogens. <i>Environmental Health Perspectives</i> , 2009 , 117, 1839-46	8.4	156
106	Low dose mixture effects of endocrine disrupters: implications for risk assessment and epidemiology. <i>Journal of Developmental and Physical Disabilities</i> , 2008 , 31, 233-40		155
105	Low-level exposure to multiple chemicals: reason for human health concerns?. <i>Environmental Health Perspectives</i> , 2007 , 115 Suppl 1, 106-14	8.4	154
104	Evidence of estrogenic mixture effects on the reproductive performance of fish. <i>Environmental Science & Technology</i> , 2007 , 41, 337-44	10.3	150
103	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. <i>Science of the Total Environment</i> , 2015 , 503-504, 22-31	10.2	149
102	Sediments are major sinks of steroidal estrogens in two United Kingdom rivers. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 945-52	3.8	148
101	Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. <i>Environmental Health Perspectives</i> , 2011 , 119, 794-800	8.4	124
100	Synergisms with mixtures of xenoestrogens: a reevaluation using the method of isoboles. <i>Science of the Total Environment</i> , 1998 , 221, 59-73	10.2	120

99	Current EU research activities on combined exposure to multiple chemicals. <i>Environment International</i> , 2018 , 120, 544-562	12.9	119
98	Low dose mixture effects of endocrine disrupters and their implications for regulatory thresholds in chemical risk assessment. <i>Current Opinion in Pharmacology</i> , 2014 , 19, 105-11	5.1	117
97	Regulate to reduce chemical mixture risk. <i>Science</i> , 2018 , 361, 224-226	33.3	115
96	Male reproductive disorders, diseases, and costs of exposure to endocrine-disrupting chemicals in the European Union. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1267-77	5.6	113
95	A role for molecular oxygen in the formation of DNA damage during the reduction of the carcinogen chromium (VI) by glutathione. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 329, 199-207	4.1	111
94	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). <i>Journal of Epidemiology and Community Health</i> , 2016 , 70, 741-5	5.1	104
93	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. <i>EFSA Journal</i> , 2019 , 17, e05634	2.3	100
92	Intrauterine exposure to mild analgesics during pregnancy and the occurrence of cryptorchidism and hypospadias in the offspring: the Generation R Study. <i>Human Reproduction</i> , 2012 , 27, 1191-201	5.7	91
91	Assessment of phthalates/phthalate alternatives in children's toys and childcare articles: Review of the report including conclusions and recommendation of the Chronic Hazard Advisory Panel of the Consumer Product Safety Commission. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2015 , 25, 343-53	6.7	88
90	The consequences of exposure to mixtures of chemicals: Something from nothing and a lot from a little when fish are exposed to steroid hormones. <i>Science of the Total Environment</i> , 2018 , 619-620, 1482-1492	10.3	87
89	Scientific principles for the identification of endocrine-disrupting chemicals: a consensus statement. <i>Archives of Toxicology</i> , 2017 , 91, 1001-1006	5.8	86
88	Modeling effects of mixtures of endocrine disrupting chemicals at the river catchment scale. <i>Environmental Science & Technology</i> , 2006 , 40, 5478-89	10.3	82
87	Deviation from additivity with estrogenic mixtures containing 4-nonylphenol and 4-tert-octylphenol detected in the E-SCREEN assay. <i>Environmental Science & Technology</i> , 2004 , 38, 6343-52	10.3	82
86	Mixture effects at very low doses with combinations of anti-androgenic pesticides, antioxidants, industrial pollutant and chemicals used in personal care products. <i>Toxicology and Applied Pharmacology</i> , 2014 , 278, 201-8	4.6	81
85	Mixture effects in samples of multiple contaminants - An inter-laboratory study with manifold bioassays. <i>Environment International</i> , 2018 , 114, 95-106	12.9	80
84	Generation of PM2 DNA breaks in the course of reduction of chromium(VI) by glutathione. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1989 , 216, 19-26		72
83	A proposed framework for the systematic review and integrated assessment (SYRINA) of endocrine disrupting chemicals. <i>Environmental Health</i> , 2016 , 15, 74	6	70
82	Dysgenesis and histological changes of genitals and perturbations of gene expression in male rats after in utero exposure to antiandrogen mixtures. <i>Toxicological Sciences</i> , 2007 , 98, 87-98	4.4	67

81	Lack of activity of cadmium in in vitro estrogenicity assays. <i>Toxicology and Applied Pharmacology</i> , 2006 , 216, 20-8	4.6	63
80	The chemistry underlying chromate toxicity. <i>Transition Metal Chemistry</i> , 1995 , 20, 636-642	2.1	62
79	Bisphenol A and other phenols in human placenta from children with cryptorchidism or hypospadias. <i>Reproductive Toxicology</i> , 2016 , 59, 89-95	3.4	58
78	Evidence for the generation of hydroxyl radicals from a chromium(V) intermediate isolated from the reaction of chromate with glutathione. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 286, 652-5	4.1	57
77	Uptake of chromium (III) complexes by erythrocytes □Presented January 21, 1986 at the 2nd IAEA Workshop on Carcinogenic and/or Mutagenic Metal Compounds in CH-1884 Villars-sur-Ollon.. <i>Toxicological and Environmental Chemistry</i> , 1987 , 14, 23-32	1.4	57
76	Cross-talk between non-genomic and genomic signalling pathways--distinct effect profiles of environmental estrogens. <i>Toxicology and Applied Pharmacology</i> , 2010 , 245, 160-70	4.6	56
75	Approaches to assessing combination effects of oestrogenic environmental pollutants. <i>Science of the Total Environment</i> , 1999 , 233, 131-40	10.2	56
74	Should the scope of human mixture risk assessment span legislative/regulatory silos for chemicals?. <i>Science of the Total Environment</i> , 2016 , 543, 757-764	10.2	53
73	The suitability of concentration addition for predicting the effects of multi-component mixtures of up to 17 anti-androgens with varied structural features in an in vitro AR antagonist assay. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 189-97	4.6	50
72	Breast cancer, oestrogens and environmental pollutants: a re-evaluation from a mixture perspective. <i>Journal of Developmental and Physical Disabilities</i> , 2006 , 29, 193-8		48
71	Manufacturing doubt about endocrine disrupter science--A rebuttal of industry-sponsored critical comments on the UNEP/WHO report "State of the Science of Endocrine Disrupting Chemicals 2012". <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 1007-17	3.4	46
70	Chromium(VI)-mediated DNA damage: oxidative pathways resulting in the formation of DNA breaks and abasic sites. <i>Chemico-Biological Interactions</i> , 1999 , 123, 117-32	5	46
69	Late-life effects on rat reproductive system after developmental exposure to mixtures of endocrine disrupters. <i>Reproduction</i> , 2014 , 147, 465-76	3.8	45
68	Mixtures of endocrine-disrupting contaminants induce adverse developmental effects in preweaning rats. <i>Reproduction</i> , 2014 , 147, 489-501	3.8	45
67	Detection of DNA strand breaks and oxidized DNA bases at the single-cell level resulting from exposure to estradiol and hydroxylated metabolites. <i>Environmental and Molecular Mutagenesis</i> , 2005 , 45, 397-404	3.2	44
66	Ten years of research on synergisms and antagonisms in chemical mixtures: A systematic review and quantitative reappraisal of mixture studies. <i>Environment International</i> , 2021 , 146, 106206	12.9	44
65	Extending the applicability of the dose addition model to the assessment of chemical mixtures of partial agonists by using a novel toxic unit extrapolation method. <i>PLoS ONE</i> , 2014 , 9, e88808	3.7	41
64	Additive mixture effects of estrogenic chemicals in human cell-based assays can be influenced by inclusion of chemicals with differing effect profiles. <i>PLoS ONE</i> , 2012 , 7, e43606	3.7	37

63	The reduction of chromate is a prerequisite of chromium binding to cell nuclei. <i>Carcinogenesis</i> , 1991 , 12, 1143-4	4.6	37
62	Evidence of temperature-dependent effects on the estrogenic response of fish: implications with regard to climate change. <i>Science of the Total Environment</i> , 2008 , 397, 72-81	10.2	36
61	Biflavonoids with cytotoxic and antibacterial activity from <i>Ochna macrocalyx</i> . <i>Planta Medica</i> , 2003 , 69, 247-53	3.1	36
60	The formation of both apurinic/apyrimidinic sites and single-strand breaks by chromate and glutathione arises from attack by the same single reactive species and is dependent on molecular oxygen. <i>Carcinogenesis</i> , 1995 , 16, 805-9	4.6	36
59	Endocrine Disruption in Human Fetal Testis Explants by Individual and Combined Exposures to Selected Pharmaceuticals, Pesticides, and Environmental Pollutants. <i>Environmental Health Perspectives</i> , 2017 , 125, 087004	8.4	33
58	Seven benzimidazole pesticides combined at sub-threshold levels induce micronuclei in vitro. <i>Mutagenesis</i> , 2013 , 28, 417-26	2.8	33
57	Metabolomic profiling of liquid Echinacea medicinal products with in vitro inhibitory effects on cytochrome P450 3A4 (CYP3A4). <i>Planta Medica</i> , 2010 , 76, 378-85	3.1	33
56	Comparative genomic hybridization reveals extensive variation among different MCF-7 cell stocks. <i>Cancer Genetics and Cytogenetics</i> , 2000 , 117, 153-8		33
55	Competitive androgen receptor antagonism as a factor determining the predictability of cumulative antiandrogenic effects of widely used pesticides. <i>Environmental Health Perspectives</i> , 2012 , 120, 1578-84	8.4	32
54	Examining the feasibility of mixture risk assessment: A case study using a tiered approach with data of 67 pesticides from the Joint FAO/WHO Meeting on Pesticide Residues (JMPR). <i>Food and Chemical Toxicology</i> , 2015 , 84, 260-9	4.7	31
53	Estrogens and genomic instability in human breast cancer cells--involvement of Src/Raf/Erk signaling in micronucleus formation by estrogenic chemicals. <i>Carcinogenesis</i> , 2008 , 29, 1862-8	4.6	30
52	The generation of apurinic/apyrimidinic sites in isolated DNA during the reduction of chromate by glutathione. <i>Carcinogenesis</i> , 1994 , 15, 407-9	4.6	29
51	Association of urinary bisphenols and triclosan with thyroid function during early pregnancy. <i>Environment International</i> , 2019 , 133, 105123	12.9	28
50	Mind the gap: can we explain declining male reproductive health with known antiandrogens?. <i>Reproduction</i> , 2014 , 147, 515-27	3.8	28
49	Joint effects of heterogeneous estrogenic chemicals in the E-screen--exploring the applicability of concentration addition. <i>Toxicological Sciences</i> , 2011 , 122, 383-94	4.4	28
48	RAPD library fingerprinting of bacterial and human DNA: applications in mutation detection. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2000 , 20, 49-63		28
47	The formation of DNA cleaving species during the reduction of chromate by ascorbate. <i>Carcinogenesis</i> , 1994 , 15, 1773-8	4.6	28
46	Improved component-based methods for mixture risk assessment are key to characterize complex chemical pollution in surface waters. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	26

45	The sensitivity of the MDA-kb2 cell in vitro assay in detecting anti-androgenic chemicals--identification of sources of variability and estimation of statistical power. <i>Toxicology in Vitro</i> , 2010 , 24, 1845-53	3.6	25
44	Assessment of the total effective xenoestrogen burden in extracts of human placentas. <i>Biomarkers</i> , 2009 , 14, 271-7	2.6	25
43	Which chemicals should be grouped together for mixture risk assessments of male reproductive disorders?. <i>Molecular and Cellular Endocrinology</i> , 2020 , 499, 110581	4.4	25
42	The reductive conversion of chromium (VI) by ascorbate gives rise to apurinic/apyrimidinic sites in isolated DNA. <i>Chemical Research in Toxicology</i> , 1995 , 8, 884-90	4	23
41	Defining conditions for the efficient in vitro cross-linking of proteins to DNA by chromium(III) compounds. <i>Carcinogenesis</i> , 1992 , 13, 307-8	4.6	22
40	Dispelling urban myths about default uncertainty factors in chemical risk assessment--sufficient protection against mixture effects?. <i>Environmental Health</i> , 2013 , 12, 53	6	21
39	Widely Used Pesticides with Previously Unknown Endocrine Activity Revealed as in Vitro Antiandrogens. <i>Environmental Health Perspectives</i> , 2011 , 119, 794-800	8.4	21
38	Effects of Common Pesticides on Prostaglandin D2 (PGD2) Inhibition in SC5 Mouse Sertoli Cells, Evidence of Binding at the COX-2 Active Site, and Implications for Endocrine Disruption. <i>Environmental Health Perspectives</i> , 2016 , 124, 452-9	8.4	21
37	Scientific Issues Relevant to Setting Regulatory Criteria to Identify Endocrine-Disrupting Substances in the European Union. <i>Environmental Health Perspectives</i> , 2016 , 124, 1497-1503	8.4	21
36	A Human Mixture Risk Assessment for Neurodevelopmental Toxicity Associated with Polybrominated Diphenyl Ethers Used as Flame Retardants. <i>Environmental Health Perspectives</i> , 2017 , 125, 087016	8.4	20
35	Refined reference doses and new procedures for phthalate mixture risk assessment focused on male developmental toxicity. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 224, 113428	6.9	19
34	Transthyretin-Binding Activity of Complex Mixtures Representing the Composition of Thyroid-Hormone Disrupting Contaminants in House Dust and Human Serum. <i>Environmental Health Perspectives</i> , 2020 , 128, 17015	8.4	18
33	Investigation of the state of the science on combined actions of chemicals in food through dissimilar modes of action and proposal for science-based approach for performing related cumulative risk assessment. <i>EFSA Supporting Publications</i> , 2012 , 9, 232E	1.1	18
32	Herbal extracts used for upper respiratory tract infections: are there clinically relevant interactions with the cytochrome P450 enzyme system?. <i>Planta Medica</i> , 2008 , 74, 657-60	3.1	18
31	Time course of phthalate cumulative risks to male developmental health over a 27-year period: Biomonitoring samples of the German Environmental Specimen Bank. <i>Environment International</i> , 2020 , 137, 105467	12.9	17
30	Studies of the binding of chromium(III) complexes to phosphate groups of adenosine triphosphate. <i>Carcinogenesis</i> , 1991 , 12, 921-6	4.6	17
29	Response to A critique of the European Commission Document, "State of the Art Assessment of Endocrine Disrupters" by Rhomberg and colleagues--letter to the editor. <i>Critical Reviews in Toxicology</i> , 2012 , 42, 787-9; author reply 790-1	5.7	16
28	Are cadmium and other heavy metal compounds acting as endocrine disrupters?. <i>Metal Ions in Life Sciences</i> , 2011 , 8, 305-17		15

27	Non-tumorigenic epithelial cells secrete MCP-1 and other cytokines that promote cell division in breast cancer cells by activating ER α via PI3K/Akt/mTOR signaling. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 53, 281-94	5.6	14
26	Prioritisation of water pollutants: the EU Project SOLUTIONS proposes a methodological framework for the integration of mixture risk assessments into prioritisation procedures under the European Water Framework Directive. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	13
25	<i>Salvia officinalis</i> for hot flushes: towards determination of mechanism of activity and active principles. <i>Planta Medica</i> , 2013 , 79, 753-60	3.1	12
24	Genotoxic mixtures and dissimilar action: concepts for prediction and assessment. <i>Archives of Toxicology</i> , 2014 , 88, 799-814	5.8	11
23	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	10
22	A novel biomarker for anti-androgenic activity in placenta reveals risks of urogenital malformations. <i>Reproduction</i> , 2015 , 149, 605-13	3.8	10
21	Problems in the biological monitoring of chromium(VI) exposed individuals. <i>Biomarkers</i> , 1997 , 2, 73-9	2.6	10
20	Science-based regulation of endocrine disrupting chemicals in Europe: which approach?. <i>Lancet Diabetes and Endocrinology</i> , 2016 , 4, 643-646	18.1	9
19	Association of urinary bisphenols during pregnancy with maternal, cord blood and childhood thyroid function. <i>Environment International</i> , 2021 , 146, 106160	12.9	9
18	Association of phthalate exposure with thyroid function during pregnancy. <i>Environment International</i> , 2021 , 157, 106795	12.9	9
17	Statistical power considerations show the endocrine disruptor low-dose issue in a new light. <i>Environmental Health Perspectives</i> , 2007 , 115 Suppl 1, 84-90	8.4	8
16	Changing trends in phthalate exposures. <i>Environmental Health Perspectives</i> , 2014 , 122, A264	8.4	7
15	Quantitative to Extrapolation (QIVIVE) for Predicting Reduced Anogenital Distance Produced by Anti-Androgenic Pesticides in a Rodent Model for Male Reproductive Disorders. <i>Environmental Health Perspectives</i> , 2020 , 128, 117005	8.4	7
14	Environmental factors in declining human fertility.. <i>Nature Reviews Endocrinology</i> , 2021 ,	15.2	6
13	Introduction: endocrine disruptors-exposure assessment, novel end points, and low-dose and mixture effects. <i>Environmental Health Perspectives</i> , 2007 , 115 Suppl 1, 7	8.4	5
12	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. <i>Environmental Sciences Europe</i> , 2019 , 31,	5	5
11	Inability to confirm estrogenicity of the heterocyclic amine PHP in two in vitro assays. <i>Toxicology in Vitro</i> , 2010 , 24, 1757-63	3.6	4
10	Genotypic selection of mutated DNA sequences using mismatch cleavage analysis, a possible basis for novel mutation assays. <i>Mutagenesis</i> , 1997 , 12, 335-8	2.8	4

9	Biomonitoring of chromium(VI) deposited in pulmonary tissues: pilot studies of a magnetic resonance imaging technique in a post-mortem rodent model. <i>Biomarkers</i> , 2004 , 9, 32-46	2.6	4
8	Testing for heterotopia formation in rats after developmental exposure to selected in vitro inhibitors of thyroperoxidase. <i>Environmental Pollution</i> , 2021 , 283, 117135	9.3	4
7	EU regulation of endocrine disruptors: a missed opportunity. <i>Lancet Diabetes and Endocrinology</i> , 2016 , 4, 649-650	18.1	3
6	Advancing tools for human early lifecourse exposome research and translation (ATHLETE): Project overview.. <i>Environmental Epidemiology</i> , 2021 , 5, e166	0.2	2
5	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. <i>Environmental Sciences Europe</i> , 2022 , 34, 21	5	2
4	Bisphenol A and declining semen quality: A systematic review to support the derivation of a reference dose for mixture risk assessments.. <i>International Journal of Hygiene and Environmental Health</i> , 2022 , 241, 113942	6.9	1
3	Invited Perspective: How Relevant Are Mode-of-Action Considerations for the Assessment and Prediction of Mixture Effects?. <i>Environmental Health Perspectives</i> , 2022 , 130, 41302	8.4	0
2	Declining semen quality and polybrominated diphenyl ethers (PBDEs): Review of the literature to support the derivation of a reference dose for a mixture risk assessment.. <i>International Journal of Hygiene and Environmental Health</i> , 2022 , 242, 113953	6.9	0
1	Reactive chromium species potentially generated by welding fume. <i>Toxicological and Environmental Chemistry</i> , 1995 , 49, 149-155	1.4	