Andreas Kortenkamp

List of Publications by Year in Descending Order

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	Bisphenol A and declining semen quality: A systematic review to support the derivation of a reference dose for mixture risk assessments.. *International Journal of Hygiene and Environmental Health*, **2022**, 241, 113942	6.9	1
115	One planet: one health. A call to support the initiative on a global science-policy body on chemicals and waste.. *Environmental Sciences Europe*, **2022**, 34, 21	5	2
114	Invited Perspective: How Relevant Are Mode-of-Action Considerations for the Assessment and Prediction of Mixture Effects?. *Environmental Health Perspectives*, **2022**, 130, 41302	8.4	0
113	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.. *International Journal of Hygiene and Environmental Health*, **2022**, 242, 113953	6.9	0
112	Environmental factors in declining human fertility.. *Nature Reviews Endocrinology*, **2021**,	15.2	6
111	Advancing tools for human early lifecourse exposome research and translation (ATHLETE): Project overview.. *Environmental Epidemiology*, **2021**, 5, e166	0.2	2
110	Ten years of research on synergisms and antagonisms in chemical mixtures: A systematic review and quantitative reappraisal of mixture studies. *Environment International*, **2021**, 146, 106206	12.9	44
109	Association of urinary bisphenols during pregnancy with maternal, cord blood and childhood thyroid function. *Environment International*, **2021**, 146, 106160	12.9	9
108	Testing for heterotopia formation in rats after developmental exposure to selected in vitro inhibitors of thyroperoxidase. *Environmental Pollution*, **2021**, 283, 117135	9.3	4
107	Association of phthalate exposure with thyroid function during pregnancy. *Environment International*, **2021**, 157, 106795	12.9	9
106	Time course of phthalate cumulative risks to male developmental health over a 27-year period: Biomonitoring samples of the German Environmental Specimen Bank. *Environment International*, **2020**, 137, 105467	12.9	17
105	Transthyretin-Binding Activity of Complex Mixtures Representing the Composition of Thyroid-Hormone Disrupting Contaminants in House Dust and Human Serum. *Environmental Health Perspectives*, **2020**, 128, 17015	8.4	18
104	Consensus on the key characteristics of endocrine-disrupting chemicals as a basis for hazard identification. *Nature Reviews Endocrinology*, **2020**, 16, 45-57	15.2	224
103	Refined reference doses and new procedures for phthalate mixture risk assessment focused on male developmental toxicity. *International Journal of Hygiene and Environmental Health*, **2020**, 224, 113428	6.9	19
102	Quantitative to Extrapolation (QIVIVE) for Predicting Reduced Anogenital Distance Produced by Anti-Androgenic Pesticides in a Rodent Model for Male Reproductive Disorders. *Environmental Health Perspectives*, **2020**, 128, 117005	8.4	7
101	Which chemicals should be grouped together for mixture risk assessments of male reproductive disorders?. *Molecular and Cellular Endocrinology*, **2020**, 499, 110581	4.4	25
100	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. *Environmental Sciences Europe*, **2019**, 31,	5	10

99	Association of urinary bisphenols and triclosan with thyroid function during early pregnancy. *Environment International*, **2019**, 133, 105123	12.9	28
98	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. *EFSA Journal*, **2019**, 17, e05634	2.3	100
97	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. *Environmental Sciences Europe*, **2019**, 31,	5	5
96	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. *Environmental Sciences Europe*, **2019**, 31,	5	13
95	Improved component-based methods for mixture risk assessment are key to characterize complex chemical pollution in surface waters. *Environmental Sciences Europe*, **2019**, 31,	5	26
94	Mixture effects in samples of multiple contaminants - An inter-laboratory study with manifold bioassays. *Environment International*, **2018**, 114, 95-106	12.9	80
93	The consequences of exposure to mixtures of chemicals: Something from Qnothing Q and Q a lot from a little Q when fish are exposed to steroid hormones. *Science of the Total Environment*, **2018**, 619-620, 1482-1492	10.2	87
92	Regulate to reduce chemical mixture risk. *Science*, **2018**, 361, 224-226	33.3	115
91	Current EU research activities on combined exposure to multiple chemicals. *Environment International*, **2018**, 120, 544-562	12.9	119
90	Endocrine Disruption in Human Fetal Testis Explants by Individual and Combined Exposures to Selected Pharmaceuticals, Pesticides, and Environmental Pollutants. *Environmental Health Perspectives*, **2017**, 125, 087004	8.4	33
89	A Human Mixture Risk Assessment for Neurodevelopmental Toxicity Associated with Polybrominated Diphenyl Ethers Used as Flame Retardants. *Environmental Health Perspectives*, **2017**, 125, 087016	8.4	20
88	Scientific principles for the identification of endocrine-disrupting chemicals: a consensus statement. *Archives of Toxicology*, **2017**, 91, 1001-1006	5.8	86
87	EU regulation of endocrine disruptors: a missed opportunity. *Lancet Diabetes and Endocrinology,the*, **2016**, 4, 649-650	18.1	3
86	Science-based regulation of endocrine disrupting chemicals in Europe: which approach?. *Lancet Diabetes and Endocrinology,the*, **2016**, 4, 643-646	18.1	9
85	A proposed framework for the systematic review and integrated assessment (SYRINA) of endocrine disrupting chemicals. *Environmental Health*, **2016**, 15, 74	6	70
84	Bisphenol A and other phenols in human placenta from children with cryptorchidism or hypospadias. *Reproductive Toxicology*, **2016**, 59, 89-95	3.4	58
83	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. *Environmental Health Perspectives*, **2016**, 124, 452-9	8.4	21
82	Scientific Issues Relevant to Setting Regulatory Criteria to Identify Endocrine-Disrupting Substances in the European Union. *Environmental Health Perspectives*, **2016**, 124, 1497-1503	8.4	21

81	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). *Journal of Epidemiology and Community Health*, **2016**, 70, 741-5	5.1	104
80	Should the scope of human mixture risk assessment span legislative/regulatory silos for chemicals?. *Science of the Total Environment*, **2016**, 543, 757-764	10.2	53
79	A novel biomarker for anti-androgenic activity in placenta reveals risks of urogenital malformations. *Reproduction*, **2015**, 149, 605-13	3.8	10
78	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. *Journal of Exposure Science and Environmental Epidemiology*, **2015**, 25, 343-53	6.7	88
77	Male reproductive disorders, diseases, and costs of exposure to endocrine-disrupting chemicals in the European Union. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 1267-77	5.6	113
76	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). *Food and Chemical Toxicology*, **2015**, 84, 260-9	4.7	31
75	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". *Regulatory Toxicology and Pharmacology*, **2015**, 73, 1007-17	3.4	46
74	The SOLUTIONS project: challenges and responses for present and future emerging pollutants in land and water resources management. *Science of the Total Environment*, **2015**, 503-504, 22-31	10.2	149
73	Estimating burden and disease costs of exposure to endocrine-disrupting chemicals in the European union. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, 1245-55	5.6	209
72	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. *Science of the Total Environment*, **2015**, 512-513, 540-551	10.2	198
71	Late-life effects on rat reproductive system after developmental exposure to mixtures of endocrine disrupters. *Reproduction*, **2014**, 147, 465-76	3.8	45
70	Low dose mixture effects of endocrine disrupters and their implications for regulatory thresholds in chemical risk assessment. *Current Opinion in Pharmacology*, **2014**, 19, 105-11	5.1	117
69	Non-tumorigenic epithelial cells secrete MCP-1 and other cytokines that promote cell division in breast cancer cells by activating ER via PI3K/Akt/mTOR signaling. *International Journal of Biochemistry and Cell Biology*, **2014**, 53, 281-94	5.6	14
68	Mixture effects at very low doses with combinations of anti-androgenic pesticides, antioxidants, industrial pollutant and chemicals used in personal care products. *Toxicology and Applied Pharmacology*, **2014**, 278, 201-8	4.6	81
67	Genotoxic mixtures and dissimilar action: concepts for prediction and assessment. *Archives of Toxicology*, **2014**, 88, 799-814	5.8	11
66	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. *PLoS ONE*, **2014**, 9, e88808	3.7	41
65	Mixtures of endocrine-disrupting contaminants induce adverse developmental effects in preweaning rats. *Reproduction*, **2014**, 147, 489-501	3.8	45
64	Changing trends in phthalate exposures. *Environmental Health Perspectives*, **2014**, 122, A264	8.4	7

63	Mind the gap: can we explain declining male reproductive health with known antiandrogens?. *Reproduction*, **2014**, 147, 515-27	3.8	28
62	Dispelling urban myths about default uncertainty factors in chemical risk assessment--sufficient protection against mixture effects?. *Environmental Health*, **2013**, 12, 53	6	21
61	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. *Archives of Toxicology*, **2013**, 87, 123-43	5.8	157
60	Salvia officinalis for hot flushes: towards determination of mechanism of activity and active principles. *Planta Medica*, **2013**, 79, 753-60	3.1	12
59	Seven benzimidazole pesticides combined at sub-threshold levels induce micronuclei in vitro. *Mutagenesis*, **2013**, 28, 417-26	2.8	33
58	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. *Critical Reviews in Toxicology*, **2012**, 42, 787-9; author reply 790-1	5.7	16
57	Additive mixture effects of estrogenic chemicals in human cell-based assays can be influenced by inclusion of chemicals with differing effect profiles. *PLoS ONE*, **2012**, 7, e43606	3.7	37
56	Competitive androgen receptor antagonism as a factor determining the predictability of cumulative antiandrogenic effects of widely used pesticides. *Environmental Health Perspectives*, **2012**, 120, 1578-84	8.4	32
55	Intrauterine exposure to mild analgesics during pregnancy and the occurrence of cryptorchidism and hypospadia in the offspring: the Generation R Study. *Human Reproduction*, **2012**, 27, 1191-201	5.7	91
54	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. *EFSA Supporting Publications*, **2012**, 9, 232E	1.1	18
53	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. *Toxicology and Applied Pharmacology*, **2011**, 257, 189-97	4.6	50
52	Are cadmium and other heavy metal compounds acting as endocrine disrupters?. *Metal Ions in Life Sciences*, **2011**, 8, 305-17		15
51	Joint effects of heterogeneous estrogenic chemicals in the E-screen--exploring the applicability of concentration addition. *Toxicological Sciences*, **2011**, 122, 383-94	4.4	28
50	Widely used pesticides with previously unknown endocrine activity revealed as in vitro antiandrogens. *Environmental Health Perspectives*, **2011**, 119, 794-800	8.4	124
49	Widely Used Pesticides with Previously Unknown Endocrine Activity Revealed as in Vitro Antiandrogens. *Environmental Health Perspectives*, **2011**, 119, 794-800	8.4	21
48	Metabolomic profiling of liquid Echinacea medicinal products with in vitro inhibitory effects on cytochrome P450 3A4 (CYP3A4). *Planta Medica*, **2010**, 76, 378-85	3.1	33
47	Inability to confirm estrogenicity of the heterocyclic amine PhIP in two in vitro assays. *Toxicology in Vitro*, **2010**, 24, 1757-63	3.6	4
46	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. *Toxicology in Vitro*, **2010**, 24, 1845-53	3.6	25

45	Cross-talk between non-genomic and genomic signalling pathways--distinct effect profiles of environmental estrogens. *Toxicology and Applied Pharmacology*, **2010**, 245, 160-70	4.6	56
44	Synergistic disruption of external male sex organ development by a mixture of four antiandrogens. *Environmental Health Perspectives*, **2009**, 117, 1839-46	8.4	156
43	Assessment of the total effective xenoestrogen burden in extracts of human placentas. *Biomarkers*, **2009**, 14, 271-7	2.6	25
42	Low dose mixture effects of endocrine disrupters: implications for risk assessment and epidemiology. *Journal of Developmental and Physical Disabilities*, **2008**, 31, 233-40		155
41	Evidence of temperature-dependent effects on the estrogenic response of fish: implications with regard to climate change. *Science of the Total Environment*, **2008**, 397, 72-81	10.2	36
40	Do cytotoxic chemotherapy drugs discharged into rivers pose a risk to the environment and human health? An overview and UK case study. *Journal of Hydrology*, **2008**, 348, 167-175	6	193
39	Estrogens and genomic instability in human breast cancer cells--involvement of Src/Raf/Erk signaling in micronucleus formation by estrogenic chemicals. *Carcinogenesis*, **2008**, 29, 1862-8	4.6	30
38	Herbal extracts used for upper respiratory tract infections: are there clinically relevant interactions with the cytochrome P450 enzyme system?. *Planta Medica*, **2008**, 74, 657-60	3.1	18
37	Evidence of estrogenic mixture effects on the reproductive performance of fish. *Environmental Science & Technology*, **2007**, 41, 337-44	10.3	150
36	Ten years of mixing cocktails: a review of combination effects of endocrine-disrupting chemicals. *Environmental Health Perspectives*, **2007**, 115 Suppl 1, 98-105	8.4	417
35	Combined exposure to anti-androgens exacerbates disruption of sexual differentiation in the rat. *Environmental Health Perspectives*, **2007**, 115 Suppl 1, 122-8	8.4	215
34	Statistical power considerations show the endocrine disruptor low-dose issue in a new light. *Environmental Health Perspectives*, **2007**, 115 Suppl 1, 84-90	8.4	8
33	Introduction: endocrine disruptors-exposure assessment, novel end points, and low-dose and mixture effects. *Environmental Health Perspectives*, **2007**, 115 Suppl 1, 7	8.4	5
32	Low-level exposure to multiple chemicals: reason for human health concerns?. *Environmental Health Perspectives*, **2007**, 115 Suppl 1, 106-14	8.4	154
31	Dysgenesis and histological changes of genitals and perturbations of gene expression in male rats after in utero exposure to antiandrogen mixtures. *Toxicological Sciences*, **2007**, 98, 87-98	4.4	67
30	Lack of activity of cadmium in in vitro estrogenicity assays. *Toxicology and Applied Pharmacology*, **2006**, 216, 20-8	4.6	63
29	Modeling effects of mixtures of endocrine disrupting chemicals at the river catchment scale. *Environmental Science & Technology*, **2006**, 40, 5478-89	10.3	82
28	Breast cancer, oestrogens and environmental pollutants: a re-evaluation from a mixture perspective. *Journal of Developmental and Physical Disabilities*, **2006**, 29, 193-8		48

27	Detection of DNA strand breaks and oxidized DNA bases at the single-cell level resulting from exposure to estradiol and hydroxylated metabolites. *Environmental and Molecular Mutagenesis*, **2005**, 45, 397-404	3.2	44
26	Sediments are major sinks of steroidal estrogens in two United Kingdom rivers. *Environmental Toxicology and Chemistry*, **2004**, 23, 945-52	3.8	148
25	Biomonitoring of chromium(VI) deposited in pulmonary tissues: pilot studies of a magnetic resonance imaging technique in a post-mortem rodent model. *Biomarkers*, **2004**, 9, 32-46	2.6	4
24	Deviation from additivity with estrogenic mixtures containing 4-nonylphenol and 4-tert-octylphenol detected in the E-SCREEN assay. *Environmental Science & Technology*, **2004**, 38, 6343-52	10.3	82
23	Biflavonoids with cytotoxic and antibacterial activity from Ochna macrocalyx. *Planta Medica*, **2003**, 69, 247-53	3.1	36
22	Combining xenoestrogens at levels below individual no-observed-effect concentrations dramatically enhances steroid hormone action. *Environmental Health Perspectives*, **2002**, 110, 917-21	8.4	356
21	Something from "nothing"--eight weak estrogenic chemicals combined at concentrations below NOECs produce significant mixture effects. *Environmental Science & Technology*, **2002**, 36, 1751-6	10.3	676
20	RAPD library fingerprinting of bacterial and human DNA: applications in mutation detection. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **2000**, 20, 49-63		28
19	Comparative genomic hybridization reveals extensive variation among different MCF-7 cell stocks. *Cancer Genetics and Cytogenetics*, **2000**, 117, 153-8		33
18	Chromium(VI)-mediated DNA damage: oxidative pathways resulting in the formation of DNA breaks and abasic sites. *Chemico-Biological Interactions*, **1999**, 123, 117-32	5	46
17	Approaches to assessing combination effects of oestrogenic environmental pollutants. *Science of the Total Environment*, **1999**, 233, 131-40	10.2	56
16	Synergisms with mixtures of xenoestrogens: a reevaluation using the method of isoboles. *Science of the Total Environment*, **1998**, 221, 59-73	10.2	120
15	Genotypic selection of mutated DNA sequences using mismatch cleavage analysis, a possible basis for novel mutation assays. *Mutagenesis*, **1997**, 12, 335-8	2.8	4
14	Problems in the biological monitoring of chromium(VI) exposed individuals. *Biomarkers*, **1997**, 2, 73-9	2.6	10
13	A role for molecular oxygen in the formation of DNA damage during the reduction of the carcinogen chromium (VI) by glutathione. *Archives of Biochemistry and Biophysics*, **1996**, 329, 199-207	4.1	111
12	The chemistry underlying chromate toxicity. *Transition Metal Chemistry*, **1995**, 20, 636-642	2.1	62
11	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. *Carcinogenesis*, **1995**, 16, 805-9	4.6	36
10	Reactive chromium species potentially generated by welding fume. *Toxicological and Environmental Chemistry*, **1995**, 49, 149-155	1.4	

9	The reductive conversion of chromium (VI) by ascorbate gives rise to apurinic/apyrimidinic sites in isolated DNA. *Chemical Research in Toxicology*, **1995**, 8, 884-90	4	23
8	The generation of apurinic/apyrimidinic sites in isolated DNA during the reduction of chromate by glutathione. *Carcinogenesis*, **1994**, 15, 407-9	4.6	29
7	The formation of DNA cleaving species during the reduction of chromate by ascorbate. *Carcinogenesis*, **1994**, 15, 1773-8	4.6	28
6	Defining conditions for the efficient in vitro cross-linking of proteins to DNA by chromium(III) compounds. *Carcinogenesis*, **1992**, 13, 307-8	4.6	22
5	Studies of the binding of chromium(III) complexes to phosphate groups of adenosine triphosphate. *Carcinogenesis*, **1991**, 12, 921-6	4.6	17
4	The reduction of chromate is a prerequisite of chromium binding to cell nuclei. *Carcinogenesis*, **1991** , 12, 1143-4	4.6	37
3	Evidence for the generation of hydroxyl radicals from a chromium(V) intermediate isolated from the reaction of chromate with glutathione. *Archives of Biochemistry and Biophysics*, **1991**, 286, 652-5	4.1	57
2	Generation of PM2 DNA breaks in the course of reduction of chromium(VI) by glutathione. *Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology*, **1989**, 216, 19-26		72
1	Uptake of chromium (III) complexes by erythrocytes Presented January 21, 1986 at the 2nd IAEAC Workshop on Carcinogenic and/or Mutagenic Metal Compounds in CH-1884 Villars-sur-Ollon.. *Toxicological and Environmental Chemistry*, **1987**, 14, 23-32	1.4	57