Andreas Kortenkamp

List of Publications by Year
in descending order

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Version: 2024-02-01

120 papers	10,168 citations	36303 51 h-index	34986 98 g-index
122 all docs	122 docs citations	122 times ranked	9545 citing authors

#	Article	IF	Citations
1	Something from â€œNothingâ€•â€™ Eight Weak Estrogenic Chemicals Combined at Concentrations below NOECs Produce Significant Mixture Effects. Environmental Science & Technology, 2002, 36, 1751-1756.	10.0	778
2	Ten Years of Mixing Cocktails: A Review of Combination Effects of Endocrine-Disrupting Chemicals. Environmental Health Perspectives, 2007, 115, 98-105.	6.0	490
3	Consensus on the key characteristics of endocrine-disrupting chemicals as a basis for hazard identification. Nature Reviews Endocrinology, 2020, 16, 45-57.	9.6	484
4	Combining xenoestrogens at levels below individual no-observed-effect concentrations dramatically enhances steroid hormone action.. Environmental Health Perspectives, 2002, 110, 917-921.	6.0	418
5	Estimating Burden and Disease Costs of Exposure to Endocrine-Disrupting Chemicals in the European Union. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1245-1255.	3.6	270
6	The Impact of Endocrine Disruption: A Consensus Statement on the State of the Science. Environmental Health Perspectives, 2013, 121, A104-6.	6.0	267
7	Combined Exposure to Anti-Androgens Exacerbates Disruption of Sexual Differentiation in the Rat. Environmental Health Perspectives, 2007, 115, 122-128.	6.0	259
8	Future water quality monitoring â€” Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	8.0	243
9	Regulate to reduce chemical mixture risk. Science, 2018, 361, 224-226.	12.6	226
10	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. Archives of Toxicology, 2013, 87, 123-143.	4.2	222
11	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.	5.4	219
12	Guidance on harmonised methodologies for human health, animal health and ecological risk assessment of combined exposure to multiple chemicals. EFSA Journal, 2019, 17, e05634.	1.8	201
13	Low-Level Exposure to Multiple Chemicals: Reason for Human Health Concerns?. Environmental Health Perspectives, 2007, 115, 106-114.	6.0	185
14	Synergistic Disruption of External Male Sex Organ Development by a Mixture of Four Antiandrogens. Environmental Health Perspectives, 2009, 117, 1839-1846.	6.0	184
15	Low dose mixture effects of endocrine disrupters: implications for risk assessment and epidemiology. Journal of Developmental and Physical Disabilities, 2008, 31, 233-240.	3.6	179
16	Evidence of Estrogenic Mixture Effects on the Reproductive Performance of Fish. Environmental Science & Technology, 2007, 41, 337-344.	10.0	170
17	Current EU research activities on combined exposure to multiple chemicals. Environment International, 2018, 120, 544-562.	10.0	169
18	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.	8.0	163

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19	Low dose mixture effects of endocrine disrupters and their implications for regulatory thresholds in chemical risk assessment. Current Opinion in Pharmacology, 2014, 19, 105-111.	3.5	160
20	SEDIMENTS ARE MAJOR SINKS OF STEROIDAL ESTROGENS IN TWO UNITED KINGDOM RIVERS. Environmental Toxicology and Chemistry, 2004, 23, 945.	4.3	159
21	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.	10.0	153
22	Widely Used Pesticides with Previously Unknown Endocrine Activity Revealed as in Vitro Antiandrogens. Environmental Health Perspectives, 2011, 119, 794-800.	6.0	146
23	Male Reproductive Disorders, Diseases, and Costs of Exposure to Endocrine-Disrupting Chemicals in the European Union. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1267-1277.	3.6	145
24	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, 741-745.	3.7	138
25	The consequences of exposure to mixtures of chemicals: Something from â€˜nothingâ€™ and â€˜a lot from a littleâ€™ when fish are exposed to steroid hormones. Science of the Total Environment, 2018, 619-620, 1482-1492.	8.0	135
26	Synergisms with mixtures of xenoestrogens: A reevaluation using the method of isoboles. Science of the Total Environment, 1998, 221, 59-73.	8.0	129
27	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.	3.0	127
28	Environmental factors in declining human fertility. Nature Reviews Endocrinology, 2022, 18, 139-157.	9.6	123
29	Scientific principles for the identification of endocrine-disrupting chemicals: a consensus statement. Archives of Toxicology, 2017, 91, 1001-1006.	4.2	118
30	Assessment of phthalates/phthalate alternatives in childrenâ€™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, 343-353.	3.9	115
31	Mixture effects in samples of multiple contaminants â€“ An inter-laboratory study with manifold bioassays. Environment International, 2018, 114, 95-106.	10.0	113
32	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, 1191-1201.	0.9	103
33	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, 201-208.	2.8	97
34	A proposed framework for the systematic review and integrated assessment (SYRINA) of endocrine disrupting chemicals. Environmental Health, 2016, 15, 74.	4.0	92
35	Deviation from Additivity with Estrogenic Mixtures Containing 4-Nonylphenol and 4-tert-Octylphenol Detected in the E-SCREEN Assay. Environmental Science & Technology, 2004, 38, 6343-6352.	10.0	88
36	Modeling Effects of Mixtures of Endocrine Disrupting Chemicals at the River Catchment Scale. Environmental Science & Technology, 2006, 40, 5478-5489.	10.0	88

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37	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.	0.4	86
38	Bisphenol A and other phenols in human placenta from children with cryptorchidism or hypospadias. Reproductive Toxicology, 2016, 59, 89-95.	2.9	79
39	The chemistry underlying chromate toxicity. Transition Metal Chemistry, 1995, 20, 636-642.	1.4	77
40	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.	3.1	77
41	Lack of activity of cadmium in in vitro estrogenicity assays. Toxicology and Applied Pharmacology, 2006, 216, 20-28.	2.8	66
42	Uptake of chromium (III) complexes by erythrocytes. Toxicological and Environmental Chemistry, 1987, 14, 23-32.	1.2	65
43	Approaches to assessing combination effects of oestrogenic environmental pollutants. Science of the Total Environment, 1999, 233, 131-140.	8.0	65
44	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, 652-655.	3.0	63
45	Cross-talk between non-genomic and genomic signalling pathways â€" Distinct effect profiles of environmental estrogens. Toxicology and Applied Pharmacology, 2010, 245, 160-170.	2.8	63
46	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, 189-197.	2.8	63
47	Should the scope of human mixture risk assessment span legislative/regulatory silos for chemicals?. Science of the Total Environment, 2016, 543, 757-764.	8.0	63
48	Manufacturing doubt about endocrine disrupter science â€" A rebuttal of industry-sponsored critical comments on the UNEP/WHO report â€œState of the Science of Endocrine Disrupting Chemicals 2012â€• Regulatory Toxicology and Pharmacology, 2015, 73, 1007-1017.	2.7	57
49	Association of urinary bisphenols and triclosan with thyroid function during early pregnancy. Environment International, 2019, 133, 105123.	10.0	56
50	Chromium(VI)-mediated DNA damage: oxidative pathways resulting in the formation of DNA breaks and abasic sites. Chemico-Biological Interactions, 1999, 123, 117-132.	4.0	55
51	Breast cancer, oestrogens and environmental pollutants: a re-evaluation from a mixture perspective. Journal of Developmental and Physical Disabilities, 2006, 29, 193-198.	3.6	52
52	Mixtures of endocrine-disrupting contaminants induce adverse developmental effects in preweaning rats. Reproduction, 2014, 147, 489-501.	2.6	51
53	Late-life effects on rat reproductive system after developmental exposure to mixtures of endocrine disrupters. Reproduction, 2014, 147, 465-476.	2.6	50
54	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.	2.2	47

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55	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, 260-269.	3.6	47
56	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.	2.5	46
57	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.	6.0	46
58	Which chemicals should be grouped together for mixture risk assessments of male reproductive disorders?. Molecular and Cellular Endocrinology, 2020, 499, 110581.	3.2	46
59	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.	2.5	45
60	Biflavonoids with Cytotoxic and Antibacterial Activity fromOchna macrocalyx. Planta Medica, 2003, 69, 247-253.	1.3	44
61	Seven benzimidazole pesticides combined at sub-threshold levels induce micronuclei in vitro. Mutagenesis, 2013, 28, 417-426.	2.6	44
62	The reduction of chromate is a prerequisite of chromium binding to cell nuclei. Carcinogenesis, 1991, 12, 1143-1144.	2.8	41
63	Competitive Androgen Receptor Antagonism as a Factor Determining the Predictability of Cumulative Antiandrogenic Effects of Widely Used Pesticides. Environmental Health Perspectives, 2012, 120, 1578-1584.	6.0	41
64	Improved component-based methods for mixture risk assessment are key to characterize complex chemical pollution in surface waters. Environmental Sciences Europe, 2019, 31, .	5.5	41
65	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, 805-809.	2.8	39
66	One planet: one health. A call to support the initiative on a global scienceâ€“policy body on chemicals and waste. Environmental Sciences Europe, 2022, 34, 21.	5.5	39
67	Estrogens and genomic instability in human breast cancer cells--involvement of Src/Raf/Erk signaling in micronucleus formation by estrogenic chemicals. Carcinogenesis, 2008, 29, 1862-1868.	2.8	38
68	RAPD library fingerprinting of bacterial and human DNA: Applications in mutation detection. Teratogenesis, Carcinogenesis, and Mutagenesis, 2000, 20, 49-63.	0.8	37
69	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.	8.0	37
70	Scientific Issues Relevant to Setting Regulatory Criteria to Identify Endocrine-Disrupting Substances in the European Union. Environmental Health Perspectives, 2016, 124, 1497-1503.	6.0	37
71	Comparative Genomic Hybridization Reveals Extensive Variation Among Different MCF-7 Cell Stocks. Cancer Genetics and Cytogenetics, 2000, 117, 153-158.	1.0	36
72	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.	6.0	36

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73	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.	4.3	35
74	Metabolomic Profiling of LiquidEchinaceaMedicinal Products withIn VitroInhibitory Effects on Cytochrome P450 3A4 (CYP3A4). Planta Medica, 2010, 76, 378-385.	1.3	34
75	Association of urinary bisphenols during pregnancy with maternal, cord blood and childhood thyroid function. Environment International, 2021, 146, 106160.	10.0	34
76	Association of phthalate exposure with thyroid function during pregnancy. Environment International, 2021, 157, 106795.	10.0	34
77	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.	10.0	33
78	The generation of apurinic/apyrimidinic sites in isolated DNA during the reduction of chromate by glutathione. Carcinogenesis, 1994, 15, 407-409.	2.8	32
79	Joint Effects of Heterogeneous Estrogenic Chemicals in the E-Screenâ€"Exploring the Applicability of Concentration Addition. Toxicological Sciences, 2011, 122, 383-394.	3.1	32
80	Dispelling urban myths about default uncertainty factors in chemical risk assessment â€“ sufficient protection against mixture effects?. Environmental Health, 2013, 12, 53.	4.0	32
81	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, 452-459.	6.0	32
82	A Human Mixture Risk Assessment for Neurodevelopmental Toxicity Associated with Polybrominated Diphenyl Ethers Used as Flame Retardants. Environmental Health Perspectives, 2017, 125, 087016.	6.0	32
83	The formation of DNA cleaving species during the reduction of chromate by ascorbate. Carcinogenesis, 1994, 15, 1773-1778.	2.8	31
84	Mind the gap: can we explain declining male reproductive health with known antiandrogens?. Reproduction, 2014, 147, 515-527.	2.6	29
85	The Reductive Conversion of Chromium(VI) by Ascorbate Gives Rise to Apurinic/Apyrimidinic Sites in Isolated DNA. Chemical Research in Toxicology, 1995, 8, 884-890.	3.3	27
86	Assessment of the total effective xenoestrogen burden in extracts of human placentas. Biomarkers, 2009, 14, 271-277.	1.9	27
87	The sensitivity of the MDA-kb2 cell in vitro assay in detecting anti-androgenic chemicals â€“ Identification of sources of variability and estimation of statistical power. Toxicology in Vitro, 2010, 24, 1845-1853.	2.4	27
88	Response to A critique of the European Commission Document, â€œState of the Art Assessment of Endocrine Disruptersâ€•by Rhomberg and colleagues â€“ letter to the editor. Critical Reviews in Toxicology, 2012, 42, 787-789.	3.9	26
89	Defining conditions for the efficient in vitro cross-linking of proteins to DNA by chromium(III) compounds. Carcinogenesis, 1992, 13, 307-308.	2.8	25
90	Widely Used Pesticides with Previously Unknown Endocrine Activity Revealed as in Vitro Antiandrogens. Environmental Health Perspectives, 2011, 119, 794-800.	6.0	25

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91	Advancing tools for human early lifecourse exposome research and translation (ATHLETE). Environmental Epidemiology, 2021, 5, e166.	3.0	24
92	Combined exposures to bisphenols, polychlorinated dioxins, paracetamol, and phthalates as drivers of deteriorating semen quality. Environment International, 2022, 165, 107322.	10.0	24
93	Investigation of the state of the science on combined actions of chemicals in food through dissimilar modes of action and proposal for scienceâ€based approach for performing related cumulative risk assessment. EFSA Supporting Publications, 2012, 9, 232E.	0.7	23
94	12. Are Cadmium and Other Heavy Metal Compounds Acting as Endocrine Disrupters?. Metal Ions in Life Sciences, 2010, 8, 305-317.	1.0	22
95	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, .	5.5	22
96	Herbal Extracts used for Upper Respiratory Tract Infections: Are there Clinically Relevant Interactions with the Cytochrome P450 Enzyme System?. Planta Medica, 2008, 74, 657-660.	1.3	21
97	Studies of the binding of chromium(III) complexes to phosphate groups of adenosine triphosphate. Carcinogenesis, 1991, 12, 921-926.	2.8	19
98	Salvia officinalis for Hot Flushes: Towards Determination of Mechanism of Activity and Active Principles. Planta Medica, 2013, 79, 753-760.	1.3	19
99	Testing for heterotopia formation in rats after developmental exposure to selected inÂvitro inhibitors of thyroperoxidase. Environmental Pollution, 2021, 283, 117135.	7.5	19
100	Non-tumorigenic epithelial cells secrete MCP-1 and other cytokines that promote cell division in breast cancer cells by activating ERÎ± via PI3K/Akt/mTOR signaling. International Journal of Biochemistry and Cell Biology, 2014, 53, 281-294.	2.8	16
101	Quantitative in Vitro to in Vivo 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.	6.0	16
102	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.	4.3	15
103	Genotoxic mixtures and dissimilar action: concepts for prediction and assessment. Archives of Toxicology, 2013, 88, 799-814.	4.2	13
104	A novel biomarker for anti-androgenic activity in placenta reveals risks of urogenital malformations. Reproduction, 2015, 149, 605-613.	2.6	13
105	Science-based regulation of endocrine disrupting chemicals in Europe: which approach?. Lancet Diabetes and Endocrinology,the, 2016, 4, 643-646.	11.4	13
106	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. Environmental Sciences Europe, 2019, 31, .	5.5	13
107	Problems in the biological monitoring of chromium(VI) exposed individuals. Biomarkers, 1997, 2, 73-79.	1.9	12
108	Cumulative risk assessment: A European perspective on the state of the art and the necessary next steps forward. Integrated Environmental Assessment and Management, 2013, 9, 547-548.	2.9	12

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109	Statistical Power Considerations Show the Endocrine Disruptor Low-Dose Issue in a New Light. Environmental Health Perspectives, 2007, 115, 84-90.	6.0	11
110	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.	4.3	11
111	Introduction: Endocrine Disruptorsâ€"Exposure Assessment, Novel End Points, and Low-Dose and Mixture Effects. Environmental Health Perspectives, 2007, 115, 7-7.	6.0	8
112	Cadmium exposures and deteriorations of cognitive abilities: estimation of a reference dose for mixture risk assessments based on a systematic review and confidence rating. Environmental Health, 2022, 21, .	4.0	8
113	Changing Trends in Phthalate Exposures. Environmental Health Perspectives, 2014, 122, A264.	6.0	7
114	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	7
115	Inability to confirm estrogenicity of the heterocyclic amine PhIP in two in vitro assays. Toxicology in Vitro, 2010, 24, 1757-1763.	2.4	5
116	Invited Perspective: How Relevant Are Mode-of-Action Considerations for the Assessment and Prediction of Mixture Effects?. Environmental Health Perspectives, 2022, 130, 41302.	6.0	5
117	Genotypic selection of mutated DNA sequences using mismatch cleavage analysis, a possible basis for novel mutation assays. Mutagenesis, 1997, 12, 335-338.	2.6	4
118	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.	1.9	4
119	EU regulation of endocrine disruptors: a missed opportunity. Lancet Diabetes and Endocrinology,the, 2016, 4, 649-650.	11.4	4
120	Reactive chromium species potentially generated by welding fume. Toxicological and Environmental Chemistry, 1995, 49, 149-155.	1.2	0