

Margareta Å TÃ¶rnqvist

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5089154/publications.pdf>

Version: 2024-02-01

70
papers

6,331
citations

172457

29
h-index

95266

68
g-index

70
all docs

70
docs citations

70
times ranked

5123
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Acrylamide, a Carcinogen Formed in Heated Foodstuffs. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4998-5006.	5.2	1,829
2	Cancer Risk Assessment, Indicators, and Guidelines for Polycyclic Aromatic Hydrocarbons in the Ambient Air. <i>Environmental Health Perspectives</i> , 2002, 110, 451-489.	6.0	1,047
3	Cancer risk assessment, indicators, and guidelines for polycyclic aromatic hydrocarbons in the ambient air.. <i>Environmental Health Perspectives</i> , 2002, 110, 451-488.	6.0	962
4	Health effects of occupational exposure to acrylamide using hemoglobin adducts as biomarkers of internal dose. <i>Scandinavian Journal of Work, Environment and Health</i> , 2001, 27, 219-226.	3.4	217
5	Modified Edman degradation applied to hemoglobin for monitoring occupational exposure to alkylating agents. <i>Toxicological and Environmental Chemistry</i> , 1986, 11, 215-231.	1.2	128
6	Acrylamide in food: mechanisms of formation and influencing factors during heating of foods. <i>Scandinavian Journal of Nutrition</i> , 2002, 46, 159-172.	0.2	99
7	Induction of micronuclei in mouse and rat by glycidamide, genotoxic metabolite of acrylamide. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 535, 15-24.	1.7	95
8	Birth Weight, Head Circumference, and Prenatal Exposure to Acrylamide from Maternal Diet: The European Prospective Motherâ€“Child Study (NewGeneris). <i>Environmental Health Perspectives</i> , 2012, 120, 1739-1745.	6.0	95
9	Differences in hemoglobin adduct levels of acrylamide in the general population with respect to dietary intake, smoking habits and gender. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 580, 157-165.	1.7	94
10	Unsaturated lipids and intestinal bacteria as sources of endogenous production of ethene and ethylene oxide. <i>Carcinogenesis</i> , 1989, 10, 39-41.	2.8	88
11	Chronic intake of potato chips in humans increases the production of reactive oxygen radicals by leukocytes and increases plasma C-reactive protein: a pilot study. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 773-777.	4.7	85
12	Dietary Acrylamide Intake during Pregnancy and Fetal Growthâ€“Results from the Norwegian Mother and Child Cohort Study (MoBa). <i>Environmental Health Perspectives</i> , 2013, 121, 374-379.	6.0	76
13	Analysis of Hemoglobin Adducts from Acrylamide, Glycidamide, and Ethylene Oxide in Paired Mother/Cord Blood Samples from Denmark. <i>Chemical Research in Toxicology</i> , 2011, 24, 1957-1965.	3.3	74
14	Validation of a food frequency questionnaire measurement of dietary acrylamide intake using hemoglobin adducts of acrylamide and glycidamide. <i>Cancer Causes and Control</i> , 2009, 20, 269-278.	1.8	62
15	Hemoglobin adducts from glycidamide: acetonization of hydrophilic groups for reproducible gas chromatography/tandem mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1859-1865.	1.5	57
16	A new modified Edman procedure for analysis of N-terminal valine adducts in hemoglobin by LCâ€“MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2483-2490.	2.3	52
17	Acrylamide in Food: The Discovery and Its Implications. , 2005, 561, 1-19.		50
18	Acrylamide exposure measured by food frequency questionnaire and hemoglobin adduct levels and prostate cancer risk in the Cancer of the Prostate in Sweden Study. <i>International Journal of Cancer</i> , 2009, 124, 2384-2390.	5.1	50

#	ARTICLE	IF	CITATIONS
19	A Review of Dietary Intake of Acrylamide in Humans. <i>Toxics</i> , 2021, 9, 155.	3.7	48
20	Effects on the peripheral nervous system of tunnel workers exposed to acrylamide and N-methylolacrylamide. <i>Scandinavian Journal of Work, Environment and Health</i> , 2004, 30, 21-29.	3.4	48
21	LC-MS/MS Screening Strategy for Unknown Adducts to N-Terminal Valine in Hemoglobin Applied to Smokers and Nonsmokers. <i>Chemical Research in Toxicology</i> , 2014, 27, 2062-2070.	3.3	47
22	Genotoxic effects of ethylene oxide and propylene oxide: a comparative study. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1991, 250, 229-237.	1.0	46
23	In Vivo Doses of Acrylamide and Glycidamide in Humans after Intake of Acrylamide-Rich Food. <i>Toxicological Sciences</i> , 2011, 119, 41-49.	3.1	46
24	Methylations in human hemoglobin. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1988, 204, 521-529.	1.2	45
25	Cancer Risk Estimation of Genotoxic Chemicals Based on Target Dose and a Multiplicative Model. <i>Risk Analysis</i> , 1999, 19, 309-320.	2.7	44
26	Protein Adductomics: Methodologies for Untargeted Screening of Adducts to Serum Albumin and Hemoglobin in Human Blood Samples. <i>High-Throughput</i> , 2019, 8, 6.	4.4	42
27	Hemoglobin adducts as a measure of variations in exposure to acrylamide in food and comparison to questionnaire data. <i>Food and Chemical Toxicology</i> , 2012, 50, 2531-2539.	3.6	38
28	Methylations in hemoglobin from monozygotic twins discordant for cigarette smoking: Hereditary and tobacco-related factors. <i>Chemico-Biological Interactions</i> , 1992, 82, 91-98.	4.0	36
29	Both replication bypass fidelity and repair efficiency influence the yield of mutations per target dose in intact mammalian cells induced by benzo[a]pyrene-diol-epoxide and dibenzo[a,l]pyrene-diol-epoxide. <i>DNA Repair</i> , 2008, 7, 1202-1212.	2.8	35
30	Evaluation of Cancer Tests of 1,3-Butadiene Using Internal Dose, Genotoxic Potency, and a Multiplicative Risk Model. <i>Cancer Research</i> , 2008, 68, 8014-8021.	0.9	35
31	Cancer risk estimation of genotoxic chemicals based on target dose and a multiplicative model. <i>Risk Analysis</i> , 1999, 19, 309-320.	2.7	32
32	Applicability of a Modified Edman Procedure for Measurement of Protein Adducts: Mechanisms of Formation and Degradation of Phenylthiohydantoin. <i>Chemical Research in Toxicology</i> , 2002, 15, 570-581.	3.3	29
33	Differences in the frequency of micronucleated erythrocytes in humans in relation to consumption of fried carbohydrate-rich food. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2008, 653, 50-56.	1.7	28
34	Who Knows Whether Acrylamide in Food Is Hazardous to Humans?. <i>Journal of the National Cancer Institute</i> , 2003, 95, 842-843.	6.3	27
35	Strategy for identifying unknown hemoglobin adducts using adductome LC-MS/MS data: Identification of adducts corresponding to acrylic acid, glyoxal, methylglyoxal, and 1-octen-3-one. <i>Food and Chemical Toxicology</i> , 2016, 92, 94-103.	3.6	27
36	An Adductomic Approach to Identify Electrophiles <i>In Vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 121, 44-54.	2.5	26

#	ARTICLE	IF	CITATIONS
37	Micronuclei in Cord Blood Lymphocytes and Associations with Biomarkers of Exposure to Carcinogens and Hormonally Active Factors, Gene Polymorphisms, and Gene Expression: The NewGeneris Cohort. <i>Environmental Health Perspectives</i> , 2014, 122, 193-200.	6.0	25
38	Adductomic Screening of Hemoglobin Adducts and Monitoring of Micronuclei in School-Age Children. <i>Chemical Research in Toxicology</i> , 2017, 30, 1157-1167.	3.3	25
39	Transalkylation of Phosphotriesters Using Cob(I)alamin:â€% Toward Specific Determination of DNAâˆPhosphate Adducts. <i>Chemical Research in Toxicology</i> , 2000, 13, 253-256.	3.3	23
40	Alcohol influence on acrylamide to glycidamide metabolism assessed with hemoglobin-adducts and questionnaire data. <i>Food and Chemical Toxicology</i> , 2010, 48, 820-824.	3.6	23
41	Characterization of glycidol-hemoglobin adducts as biomarkers of exposure and in vivo dose. <i>Toxicology and Applied Pharmacology</i> , 2014, 275, 213-220.	2.8	23
42	Peptide Reactivity of Isothiocyanates â€ Implications for Skin Allergy. <i>Scientific Reports</i> , 2016, 6, 21203.	3.3	22
43	Approach for Cancer Risk Estimation of Acrylamide in Food on the Basis of Animal Cancer Tests and in Vivo Dosimetry. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6004-6012.	5.2	21
44	Hemoglobin adducts of acrylamide in human blood â€ What has been done and what is next?. <i>Food and Chemical Toxicology</i> , 2022, 161, 112799.	3.6	21
45	Differences in micronucleus frequency and acrylamide adduct levels with hemoglobin between vegetarians and non-vegetarians. <i>European Journal of Nutrition</i> , 2015, 54, 1181-1190.	3.9	20
46	Determination of hydroxyalkyl derivatives of cobalamin (vitamin B12) using reversed phase high performance liquid chromatography with electrospray tandem mass spectrometry and ultraviolet diode array detection. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2438-2445.	1.5	19
47	The genotoxic potency of glycidol established from micronucleus frequency and hemoglobin adduct levels in mice. <i>Food and Chemical Toxicology</i> , 2017, 100, 168-174.	3.6	19
48	Adduct levels from benzo[a]pyrenediol epoxide: Relative formation to histidine in serum albumin and to deoxyguanosine in DNA in vitro and in vivo in mice measured by LC/MSâ€MS methods. <i>Toxicology Letters</i> , 2015, 232, 28-36.	0.8	17
49	Characterization of a Hemoglobin Adduct from Ethyl Vinyl Ketone Detected in Human Blood Samples. <i>Chemical Research in Toxicology</i> , 2015, 28, 2120-2129.	3.3	16
50	Introduction of cob(I)alamin as an analytical tool: application to reaction-kinetic studies of oxiranes. <i>Toxicological and Environmental Chemistry</i> , 2003, 85, 81-94.	1.2	15
51	Internal Doses of Glycidol in Children and Estimation of Associated Cancer Risk. <i>Toxics</i> , 2019, 7, 7.	3.7	15
52	Measurement of micronuclei and internal dose in mice demonstrates that 3-monochloropropane-1,2-diol (3-MCPD) has no genotoxic potency in vivo. <i>Food and Chemical Toxicology</i> , 2017, 109, 414-420.	3.6	14
53	Measurement of evaporated acrylamide during heat treatment of food and other biological materials. <i>LWT - Food Science and Technology</i> , 2007, 40, 706-712.	5.2	13
54	Quantitative analysis by liquid chromatographyâ€tandem mass spectrometry of glycidamide using the cob(I)alamin trapping method: Validation and application to in vitro metabolism of acrylamide. <i>Journal of Chromatography A</i> , 2011, 1218, 4389-4394.	3.7	13

#	ARTICLE	IF	CITATIONS
55	Maternal diet during pregnancy and micronuclei frequency in peripheral blood T lymphocytes in mothers and newborns (Rhea cohort, Crete). <i>European Journal of Nutrition</i> , 2018, 57, 209-218.	3.9	13
56	Characterizing Adduct Formation of Electrophilic Skin Allergens with Human Serum Albumin and Hemoglobin. <i>Chemical Research in Toxicology</i> , 2020, 33, 2623-2636.	3.3	13
57	Discovery of Novel N-(4-Hydroxybenzyl)valine Hemoglobin Adducts in Human Blood. <i>Chemical Research in Toxicology</i> , 2018, 31, 1305-1314.	3.3	12
58	Serum albumin adducts, DNA adducts and micronuclei frequency measured in benzo[a]pyrene-exposed mice for estimation of genotoxic potency. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 849, 503127.	1.7	12
59	Hemoglobin adducts in the assessment of potential occupational exposure to acrylamides—three case studies. <i>Scandinavian Journal of Work, Environment and Health</i> , 2006, 32, 154-159.	3.4	11
60	Methyl vinyl ketone—Identification and quantification of adducts to N-terminal valine in human hemoglobin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2491-2496.	2.3	10
61	Conditions for sample preparation and quantitative HPLC/MS-MS analysis of bulky adducts to serum albumin with diolepoxides of polycyclic aromatic hydrocarbons as models. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1519-1530.	3.7	10
62	In vivo doses of butadiene epoxides as estimated from in vitro enzyme kinetics by using cob(I)alamin and measured hemoglobin adducts: An inter-species extrapolation approach. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 276-284.	2.8	10
63	Interaction of benzo[a]pyrene diol epoxide isomers with human serum albumin: Site specific characterisation of adducts and associated kinetics. <i>Scientific Reports</i> , 2016, 6, 36243.	3.3	10
64	Quantification of the mutagenic potency and repair of glycidol-induced DNA lesions. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 805, 38-45.	1.7	10
65	Parallelogram based approach for in vivo dose estimation of genotoxic metabolites in humans with relevance to reduction of animal experiments. <i>Scientific Reports</i> , 2017, 7, 17560.	3.3	10
66	The polymorphism rs2480258 within CYP2E1 is associated with different rates of acrylamide metabolism in vivo in humans. <i>Archives of Toxicology</i> , 2018, 92, 2137-2140.	4.2	8
67	Cancer risk estimation of glycidol based on rodent carcinogenicity studies, a multiplicative risk model and in vivo dosimetry. <i>Food and Chemical Toxicology</i> , 2019, 128, 54-60.	3.6	8
68	Hemoglobin as a Dose Monitor of Alkylating Agents Determination of Alkylation Products of N-Terminal Valine. , 1984, , 315-320.		5
69	Novel 4-Hydroxybenzyl Adducts in Human Hemoglobin: Structures and Mechanisms of Formation. <i>Chemical Research in Toxicology</i> , 2021, 34, 1769-1781.	3.3	4
70	Detection of Benzo[a]pyrene Diol Epoxide Adducts to Histidine and Lysine in Serum Albumin In Vivo by High-Resolution-Tandem Mass Spectrometry. <i>Toxics</i> , 2022, 10, 27.	3.7	2