

Doris Kuehnelt

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,456
citations

186265

28
h-index

197818

49
g-index

56
all docs

56
docs citations

56
times ranked

1865
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Thiolated Chitosan Conjugated Liposomes for Oral Delivery of Selenium Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 803. | 4.5 | 7 |
| 2 | Capabilities of selenoneine to cross the <i>in vitro</i> blood-brain barrier model. <i>Metallomics</i> , 2021, 13, . | 2.4 | 8 |
| 3 | Selenoneine and ergothioneine in human blood cells determined simultaneously by HPLC/ICP-QQQ-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 127-134. | 3.0 | 19 |
| 4 | Selenoneine ameliorates peroxide-induced oxidative stress in <i>C. elegans</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 78-81. | 3.0 | 9 |
| 5 | Side-Directed Transfer and Presystemic Metabolism of Selenoneine in a Human Intestinal Barrier Model. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900080. | 3.3 | 8 |
| 6 | Treatment of <i>Caenorhabditis elegans</i> with Small Selenium Species Enhances Antioxidant Defense Systems. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1801304. | 3.3 | 11 |
| 7 | Associations between Methylated Metabolites of Arsenic and Selenium in Urine of Pregnant Bangladeshi Women and Interactions between the Main Genes Involved. <i>Environmental Health Perspectives</i> , 2018, 126, 027001. | 6.0 | 10 |
| 8 | Biosynthesis and isolation of selenoneine from genetically modified fission yeast. <i>Metallomics</i> , 2018, 10, 1532-1538. | 2.4 | 20 |
| 9 | Selenium species-dependent toxicity, bioavailability and metabolic transformations in <i>Caenorhabditis elegans</i> . <i>Metallomics</i> , 2018, 10, 818-827. | 2.4 | 43 |
| 10 | Quantitative determination of the sulfur-containing antioxidant ergothioneine by HPLC/ICP-QQQ-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1571-1581. | 3.0 | 13 |
| 11 | A time-efficient flow injection/ICPMS method for the direct determination of total selenium in human urine. <i>Microchemical Journal</i> , 2017, 130, 310-315. | 4.5 | 3 |
| 12 | Arsenic Metabolism in Children Differs From That in Adults. <i>Toxicological Sciences</i> , 2016, 152, 29-39. | 3.1 | 63 |
| 13 | Differing cytotoxicity and bioavailability of selenite, methylselenocysteine, selenomethionine, selenosugar 1 and trimethylselenonium ion and their underlying metabolic transformations in human cells. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2622-2632. | 3.3 | 58 |
| 14 | Investigating the intra-individual variability in the human metabolic profile of urinary selenium. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 37, 31-36. | 3.0 | 18 |
| 15 | Exploring the urinary selenometabolome following a multi-phase selenite administration regimen in humans. <i>Metallomics</i> , 2016, 8, 774-781. | 2.4 | 12 |
| 16 | Selenium metabolism to the trimethylselenonium ion (TMSe) varies markedly because of polymorphisms in the indolethylamine N-methyltransferase gene. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1406-1415. | 4.7 | 40 |
| 17 | Human excretory products of selenium are natural constituents of marine fish muscle. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7713-7719. | 3.7 | 21 |
| 18 | Concurrent quantitative HPLC-mass spectrometry profiling of small selenium species in human serum and urine after ingestion of selenium supplements. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 29, 83-90. | 3.0 | 46 |

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|----|--|-----|-----------|
| 19 | HPLC/ICPMS with effluent diversion for robust and time-efficient determination of selenium metabolites in human urine. <i>Analytical Methods</i> , 2014, 6, 1603-1607. | 2.7 | 4 |
| 20 | A miniaturized microtiter plate protocol for the determination of selenomethionine in selenized yeast via enzymatic hydrolysis of protein-bound selenium. <i>Analytical Methods</i> , 2011, 3, 738. | 2.7 | 9 |
| 21 | Quantitative determination of small selenium species in human serum by HPLC/ICPMS following a protein-removal, pre-concentration procedure. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2323-2327. | 3.7 | 21 |
| 22 | Steroidal glycosides from <i>Caralluma umbellata</i> . <i>Phytochemistry Letters</i> , 2009, 2, 134-138. | 1.2 | 20 |
| 23 | Biological availability of selenosugars in rats. <i>Chemico-Biological Interactions</i> , 2007, 168, 203-210. | 4.0 | 14 |
| 24 | Selenium metabolites in urine of cancer patients receiving L-selenomethionine at high doses. <i>Toxicology and Applied Pharmacology</i> , 2007, 220, 211-215. | 2.8 | 35 |
| 25 | An HPLC/ICPMS study of the stability of selenosugars in human urine: implications for quantification, sample handling, and storage. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 684-690. | 3.0 | 44 |
| 26 | Consequences of Vapor Enhancement on Selenium Speciation Analysis by HPLC/ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 8569-8574. | 6.5 | 47 |
| 27 | HPLC/vapor generation/ICPMS of selenium metabolites relevant to human urine—selective determination of trimethylselenonium ion. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1264-1270. | 3.0 | 29 |
| 28 | Arsenic speciation in freshwater organisms from the river Danube in Hungary. <i>Talanta</i> , 2006, 69, 856-865. | 5.5 | 96 |
| 29 | Marked individual variability in the levels of trimethylselenonium ion in human urine determined by HPLC/ICPMS and HPLC/vapor generation/ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 2207-2212. | 3.7 | 54 |
| 30 | Selenium metabolites in human urine after ingestion of selenite, L-selenomethionine, or DL-selenomethionine: a quantitative case study by HPLC/ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 235-246. | 3.7 | 83 |
| 31 | Thio arsenosugars in freshwater mussels from the Danube in Hungary. <i>Journal of Environmental Monitoring</i> , 2005, 7, 688. | 2.1 | 44 |
| 32 | Arsenic Speciation in Farmed Hungarian Freshwater Fish. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 9238-9243. | 5.2 | 43 |
| 33 | Thio arsenosugars identified as natural constituents of mussels by liquid chromatography-mass spectrometry. <i>Chemical Communications</i> , 2004, , 1824-1825. | 4.1 | 73 |
| 34 | Determination of arsenic species: A critical review of methods and applications, 2000–2003. <i>Analyst</i> , 2004, 129, 373-395. | 3.5 | 421 |
| 35 | Bacterial degradation of arsenobetaine via dimethylarsinoylacetate. <i>Archives of Microbiology</i> , 2003, 180, 142-150. | 2.2 | 60 |
| 36 | Nitrogen purity influences the occurrence of As ⁺ ions in high-performance liquid chromatography/electrospray ionization mass spectrometric analysis of four common arsenosugars. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 654-659. | 1.5 | 24 |

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|----|---|------|-----------|
| 37 | Sample preparation for arsenic speciation. <i>Comprehensive Analytical Chemistry</i> , 2003, 41, 1027-1044. | 1.3 | 5 |
| 38 | Occurrence of organo-arsenicals in jellyfishes and their mucus. <i>Chemosphere</i> , 2001, 44, 743-749. | 8.2 | 30 |
| 39 | Comparison of three methods for the extraction of arsenic compounds from the NRCC standard reference material DORM-2 and the brown alga <i>Hijiki fuziforme</i> . <i>Applied Organometallic Chemistry</i> , 2001, 15, 445-456. | 3.5 | 66 |
| 40 | Arsenic compounds in terrestrial organisms. IV. Green plants and lichens from an old arsenic smelter site in Austria. <i>Applied Organometallic Chemistry</i> , 2000, 14, 411-420. | 3.5 | 105 |
| 41 | Selenium-Enriched Sprouts. A Raw Material for Fortified Cereal-Based Diets. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 5362-5368. | 5.2 | 99 |
| 42 | Arsenic compounds in terrestrial organisms. IV. Green plants and lichens from an old arsenic smelter site in Austria. , 2000, 14, 411. | | 1 |
| 43 | Arsenic Compounds in Terrestrial Biota. , 1999, , 61-68. | | 3 |
| 44 | Occurrence of a few organo-arsenicals in jellyfish. <i>Applied Organometallic Chemistry</i> , 1999, 13, 95-99. | 3.5 | 16 |
| 45 | Can humans metabolize arsenic compounds to arsenobetaine?. <i>Applied Organometallic Chemistry</i> , 1998, 12, 873-876. | 3.5 | 2 |
| 46 | Urinary arsenic species in Devon and Cornwall residents, UK. A pilot study. <i>Analyst</i> , 1998, 123, 27-29. | 3.5 | 55 |
| 47 | Arsenobetaine and other arsenic compounds in the National Research Council of Canada Certified Reference Materials DORM 1 and DORM 2. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 183-187. | 3.0 | 97 |
| 48 | Determination of Arsenic Compounds in Earthworms. <i>Environmental Science & Technology</i> , 1998, 32, 2238-2243. | 10.0 | 110 |
| 49 | Arsenic compounds in a marine food chain. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 359, 434-437. | 1.5 | 83 |
| 50 | Arsenic Compounds in Terrestrial Organisms I: <i>Collybia maculata</i> , <i>Collybia butyracea</i> and <i>Amanita muscaria</i> from Arsenic Smelter Sites in Austria. <i>Applied Organometallic Chemistry</i> , 1997, 11, 289-296. | 3.5 | 80 |
| 51 | Can Humans Metabolize Arsenic Compounds to Arsenobetaine?. <i>Applied Organometallic Chemistry</i> , 1997, 11, 327-335. | 3.5 | 29 |
| 52 | Arsenic Compounds in Terrestrial Organisms II: Arsenocholine in the Mushroom <i>Amanita muscaria</i> . <i>Applied Organometallic Chemistry</i> , 1997, 11, 459-470. | 3.5 | 43 |
| 53 | Arsenic compounds in terrestrial organisms. III: Arsenic compounds in <i>Formica</i> from an old arsenic smelter site. <i>Applied Organometallic Chemistry</i> , 1997, 11, 859-867. | 3.5 | 36 |
| 54 | Retention behavior of inorganic and organic selenium compounds on a silica-based strong-cation-exchange column with an inductively coupled plasma mass spectrometer as selenium-specific detector. <i>Journal of Chromatography A</i> , 1997, 789, 233-245. | 3.7 | 45 |

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|----|--|----|-----------|
| 55 | Organoarsenic Compounds in the Terrestrial Environment. , 0 , 223-275. | | 21 |