

Markus Siegert

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

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759055

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541
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Narrow-Band Green Emitting Nitridolithoalumosilicate Ba[Li ₂ (Al ₂ Si ₂)N ₆]:Eu ²⁺ with Framework Topology <i>whj</i> for LED/LCD-Backlighting Applications. <i>Chemistry of Materials</i> , 2015, 27, 6109-6115. | 3.2 | 113 |
| 2 | Nitridomagnesosilicate Ba[Mg ₃ SiN ₄]:Eu ²⁺ and Structure-Property Relations of Similar Narrow-Band Red Nitride Phosphors. <i>Chemistry of Materials</i> , 2015, 27, 1780-1785. | 3.2 | 88 |
| 3 | Procedures for Analysis of Dried Plasma Using Microsampling Devices to Detect Sulfur Mustard-Albumin Adducts for Verification of Poisoning. <i>Analytical Chemistry</i> , 2016, 88, 8787-8794. | 3.2 | 52 |
| 4 | Optimized verification method for detection of an albumin-sulfur mustard adduct at Cys34 using a hybrid quadrupole time-of-flight tandem mass spectrometer after direct plasma proteolysis. <i>Toxicology Letters</i> , 2016, 244, 103-111. | 0.4 | 38 |
| 5 | Forensic evidence of sulfur mustard exposure in real cases of human poisoning by detection of diverse albumin-derived protein adducts. <i>Archives of Toxicology</i> , 2019, 93, 1881-1891. | 1.9 | 36 |
| 6 | N-Acetyl-l-cysteine inhibits sulfur mustard-induced and TRPA1-dependent calcium influx. <i>Archives of Toxicology</i> , 2017, 91, 2179-2189. | 1.9 | 34 |
| 7 | Sulfur and nitrogen mustards induce characteristic poly(ADP-ribosyl)ation responses in HaCaT keratinocytes with distinctive cellular consequences. <i>Toxicology Letters</i> , 2016, 244, 56-71. | 0.4 | 29 |
| 8 | Bioanalytical verification of V-type nerve agent exposure: simultaneous detection of phosphonylated tyrosines and cysteine-containing disulfide-adducts derived from human albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1463-1474. | 1.9 | 25 |
| 9 | Verification of organophosphorus pesticide poisoning: Detection of phosphorylated tyrosines and a cysteine-proline disulfide-adduct from human serum albumin after intoxication with dimethoate/omethoate. <i>Toxicology Letters</i> , 2018, 299, 11-20. | 0.4 | 20 |
| 10 | Novel cysteine- and albumin-adduct biomarkers to prove human poisoning with the pesticide oxydemeton-S-methyl. <i>Toxicology Letters</i> , 2018, 294, 122-134. | 0.4 | 18 |
| 11 | A toolbox for microbore liquid chromatography tandem-high-resolution mass spectrometry analysis of albumin-adducts as novel biomarkers of organophosphorus pesticide poisoning. <i>Toxicology Letters</i> , 2018, 292, 46-54. | 0.4 | 17 |
| 12 | Methionine ³²⁹ in human serum albumin: A novel target for alkylation by sulfur mustard. <i>Drug Testing and Analysis</i> , 2019, 11, 659-668. | 1.6 | 15 |
| 13 | Glutathione as an antidote for sulfur mustard poisoning: Mass spectrometric investigations of its potency as a chemical scavenger. <i>Toxicology Letters</i> , 2018, 293, 31-37. | 0.4 | 14 |
| 14 | Adduct of the blistering warfare agent sesquimustard with human serum albumin and its mass spectrometric identification for biomedical verification of exposure. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7723-7737. | 1.9 | 14 |
| 15 | Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM. <i>Toxicology Letters</i> , 2016, 244, 49-55. | 0.4 | 10 |
| 16 | Identification of creatine kinase and alpha ₁ -antitrypsin as protein targets of alkylation by sulfur mustard. <i>Drug Testing and Analysis</i> , 2021, 13, 268-282. | 1.6 | 9 |
| 17 | Alkylated epidermal creatine kinase as a biomarker for sulfur mustard exposure: comparison to adducts of albumin and DNA in an in vivo rat study. <i>Archives of Toxicology</i> , 2021, 95, 1323-1333. | 1.9 | 9 |
| 18 | Nontargeted High-Resolution Mass Spectrometric Workflow for the Detection of Butyrylcholinesterase-Derived Adducts with Organophosphorus Toxicants and Structural Characterization of Their Phosphyl Moiety after In-Source Fragmentation. <i>Analytical Chemistry</i> , 2022, 94, 2048-2055. | 3.2 | 8 |

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|----|--|-----|-----------|
| 19 | Nâ€Acetylcysteine as a chemical scavenger for sulfur mustard: New insights by mass spectrometry. Drug Testing and Analysis, 2018, 10, 243-253. | 1.6 | 7 |
| 20 | Skin sensitizing effects of sulfur mustard and other alkylating agents in accordance to OECD guidelines. Toxicology Letters, 2019, 314, 172-180. | 0.4 | 6 |
| 21 | Evidence of exposure to organophosphorus toxicants by detection of the propionylated butyrylcholinesterase-derived nonapeptide-adduct as a novel biomarker. Forensic Science International, 2021, 323, 110818. | 1.3 | 6 |
| 22 | Alkylated albumin-derived dipeptide C(-HETE)P derivatized by propionic anhydride as a biomarker for the verification of poisoning with sulfur mustard. Analytical and Bioanalytical Chemistry, 2021, 413, 4907-4916. | 1.9 | 3 |
| 23 | Protonation of <i>p</i> -Benzoquinone in Superacidic Solutions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1564-1569. | 0.6 | 2 |
| 24 | Collisionâ€induced mass spectrometric fragmentation of protonated dimethoate and omethoate generated by electrospray ionization. Rapid Communications in Mass Spectrometry, 2019, 33, 259-271. | 0.7 | 1 |
| 25 | A novel exposure system generating nebulized aerosol of sulfur mustard in comparison to the standard submerse exposure. Chemico-Biological Interactions, 2019, 298, 121-128. | 1.7 | 1 |
| 26 | Highly stable peptide adducts from hard keratins as biomarkers to verify local sulfur mustard exposure of hair by high-resolution mass spectrometry. Archives of Toxicology, 2022, 96, 2287-2298. | 1.9 | 1 |
| 27 | Alkylation of rabbit muscle creatine kinase surface methionine residues inhibits enzyme activity in vitro. Archives of Toxicology, 2021, 95, 3253-3261. | 1.9 | 0 |