# Inge Mertens

List of Publications by Year
in descending order

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|---|---|---|---|
| 45<br>papers | 2,401<br>citations | 201575<br>27<br>h-index | 243529<br>44<br>g-index |
| 46<br>all docs | 46<br>docs citations | 46<br>times ranked | 3165<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PDF Receptor Signaling in Drosophila Contributes to Both Circadian and Geotactic Behaviors. Neuron, 2005, 48, 213-219. | 3.8 | 313 |
| 2 | Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2021, 10, e12093. | 5.5 | 182 |
| 3 | Adipokinetic hormone signaling through the gonadotropin-releasing hormone receptor modulates egg-laying in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1642-1647. | 3.3 | 143 |
| 4 | Characterization of the short neuropeptide F receptor from Drosophila melanogaster. Biochemical and Biophysical Research Communications, 2002, 297, 1140-1148. | 1.0 | 124 |
| 5 | Liquid biopsies in lung cancer: The new ambrosia of researchers. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 539-546. | 3.3 | 123 |
| 6 | Neuropeptidergic signaling in the nematode Caenorhabditis elegans. Progress in Neurobiology, 2007, 82, 33-55. | 2.8 | 114 |
| 7 | Ultrafiltration and size exclusion chromatography combined with asymmetricalâ€flow fieldâ€flow fractionation for the isolation and characterisation of extracellular vesicles from urine. Journal of Extracellular Vesicles, 2018, 7, 1490143. | 5.5 | 103 |
| 8 | Nonlinear partial differential equations and applications: Identification in Drosophila melanogaster of the invertebrate G protein-coupled FMRFamide receptor. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15363-15368. | 3.3 | 96 |
| 9 | Bladder Cancer Diagnosis and Follow-Up: The Current Status and Possible Role of Extracellular Vesicles. International Journal of Molecular Sciences, 2019, 20, 821. | 1.8 | 82 |
| 10 | Functional Characterization of Three G Protein-coupled Receptors for Pigment Dispersing Factors in Caenorhabditis elegans. Journal of Biological Chemistry, 2008, 283, 15241-15249. | 1.6 | 80 |
| 11 | Discovery and characterization of a conserved pigment dispersing factorâ€like neuropeptide pathway in Caenorhabditis elegans. Journal of Neurochemistry, 2009, 111, 228-241. | 2.1 | 75 |
| 12 | The isotopic distribution conundrum. Mass Spectrometry Reviews, 2012, 31, 96-109. | 2.8 | 73 |
| 13 | Analysis of the formalin-fixed paraffin-embedded tissue proteome: pitfalls, challenges, and future prospectives. Amino Acids, 2013, 45, 205-218. | 1.2 | 59 |
| 14 | FMRFamide related peptide ligands activate the Caenorhabditis elegans orphan GPCR Y59H11AL.1. Peptides, 2006, 27, 1291-1296. | 1.2 | 46 |
| 15 | Functional characterization of the putative orphan neuropeptide G-protein coupled receptor C26F1.6 inCaenorhabditis elegans. FEBS Letters, 2004, 573, 55-60. | 1.3 | 45 |
| 16 | A neuromedin-pyrokinin-like neuropeptide signaling system in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2009, 379, 760-764. | 1.0 | 44 |
| 17 | Exosomal miRNA Analysis in Non-small Cell Lung Cancer (NSCLC) Patients' Plasma Through qPCR: A Feasible Liquid Biopsy Tool. Journal of Visualized Experiments, 2016, , . | 0.2 | 43 |
| 18 | The receptor guanylate cyclase Gyc76C and a peptide ligand, NPLP1-VQQ, modulate the innate immune IMD pathway in response to salt stress. Peptides, 2012, 34, 209-218. | 1.2 | 41 |

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|---|---|---|---|
| 19 | Molecular characterization of two G protein-coupled receptor splice variants as FLP2 receptors in Caenorhabditis elegans. Biochemical and Biophysical Research Communications, 2005, 330, 967-974. | 1.0 | 40 |
| 20 | Assessing the Immunosafety of Engineered Nanoparticles with a Novel in Vitro Model Based on Human Primary Monocytes. ACS Applied Materials & Interfaces, 2016, 8, 28437-28447. | 4.0 | 39 |
| 21 | G Protein-Coupled Receptors in Invertebrates: A State of the Art. International Review of Cytology, 2003, 230, 189-261. | 6.2 | 38 |
| 22 | Proteomics in cancer research: Are we ready for clinical practice?. Critical Reviews in Oncology/Hematology, 2015, 96, 437-448. | 2.0 | 36 |
| 23 | CONSTANd : A Normalization Method for Isobaric Labeled Spectra by Constrained Optimization. Molecular and Cellular Proteomics, 2016, 15, 2779-2790. | 2.5 | 34 |
| 24 | Postgenomic characterization of G-protein-coupled receptors. Pharmacogenomics, 2004, 5, 657-672. | 0.6 | 33 |
| 25 | The use of elemental mass spectrometry in phosphoproteomic applications. Mass Spectrometry Reviews, 2016, 35, 350-360. | 2.8 | 32 |
| 26 | Neuropeptide Biology in Drosophila. Advances in Experimental Medicine and Biology, 2010, 692, 192-210. | 0.8 | 31 |
| 27 | Cloning and tissue distribution of the chicken type 2 corticotropin-releasing hormone receptor. General and Comparative Endocrinology, 2004, 138, 89-95. | 0.8 | 28 |
| 28 | Next generation functional proteomics in non-model plants: A survey on techniques and applications for the analysis of protein complexes and post-translational modifications. Phytochemistry, 2011, 72, 1192-1218. | 1.4 | 28 |
| 29 | Cloning and characterization of a third isoform of corazonin in the honey bee Apis mellifera. Peptides, 2006, 27, 493-499. | 1.2 | 27 |
| 30 | Urinary Protein Biomarker Panel for the Diagnosis of Antibody-Mediated Rejection in Kidney Transplant Recipients. Kidney International Reports, 2020, 5, 1448-1458. | 0.4 | 26 |
| 31 | Determination of variability due to biological and technical variation in urinary extracellular vesicles as a crucial step in biomarker discovery studies. Journal of Extracellular Vesicles, 2019, 8, 1676035. | 5.5 | 24 |
| 32 | Interindividual Variation in the Proteome of Human Peripheral Blood Mononuclear Cells. PLoS ONE, 2013, 8, e61933. | 1.1 | 23 |
| 33 | Determination of Variation Parameters as a Crucial Step in Designing TMT-Based Clinical Proteomics Experiments. PLoS ONE, 2015, 10, e0120115. | 1.1 | 22 |
| 34 | PACAP and PDF signaling in the regulation of mammalian and insect circadian rhythms. Peptides, 2007, 28, 1775-1783. | 1.2 | 21 |
| 35 | Proteomic analysis of formalin-fixed paraffin-embedded colorectal cancer tissue using tandem mass tag protein labeling. Molecular BioSystems, 2013, 9, 2686. | 2.9 | 19 |
| 36 | MALDI Mass Spectrometry Imaging Linked with Top-Down Proteomics as a Tool to Study the Non-Small-Cell Lung Cancer Tumor Microenvironment. Methods and Protocols, 2019, 2, 44. | 0.9 | 19 |

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|---|---|---|---|
| 37 | Implementation of MALDI Mass Spectrometry Imaging in Cancer Proteomics Research: Applications and Challenges. Journal of Personalized Medicine, 2020, 10, 54. | 1.1 | 18 |
| 38 | Worm peptidomics. EuPA Open Proteomics, 2014, 3, 280-290. | 2.5 | 17 |
| 39 | Unraveling tobacco BY-2 protein complexes with BN PAGE/LCâ€“MS/MS and clustering methods. Journal of Proteomics, 2011, 74, 1201-1217. | 1.2 | 15 |
| 40 | Designing biomedical proteomics experiments: state-of-the-art and future perspectives. Expert Review of Proteomics, 2016, 13, 495-511. | 1.3 | 13 |
| 41 | Colorectal cancer biomarker discovery and validation using LC-MS/MS-based proteomics in blood: truth or dare?. Expert Review of Proteomics, 2014, 11, 449-463. | 1.3 | 9 |
| 42 | The use of the isotopic distribution as a complementary quality metric to assess tandem mass spectra results. Journal of Proteomics, 2014, 98, 150-158. | 1.2 | 8 |
| 43 | The benefits and limitations of reaction cell and sector field inductively coupled plasma mass spectrometry in the detection and quantification of phosphopeptides. Rapid Communications in Mass Spectrometry, 2015, 29, 35-44. | 0.7 | 8 |
| 44 | Proteomics applications in Caenorhabditis elegans research. Biochemical and Biophysical Research Communications, 2015, 468, 519-524. | 1.0 | 2 |
| 45 | Insect Pigment Dispersing Factor and Bursicon. , 2006, , 213-220. | | 0 |