

# Gitta Schlosser

## List of Publications by Year in descending order

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71  
papers

1,367  
citations

331259

21  
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395343

33  
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72  
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72  
docs citations

72  
times ranked

2028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino Acid Clusters Formed by Sonic Spray Ionization. <i>Analytical Chemistry</i> , 2003, 75, 1514-1523.	3.2	137
2	Glycosylation site analysis of human alpha-1-acid glycoprotein (AGP) by capillary liquid chromatography-electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1472-1483.	0.7	88
3	Amino acid cluster formation studied by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 43-49.	0.7	65
4	Proteomic analysis of exoproteins expressed by enterotoxigenic <i>Staphylococcus aureus</i> strains. <i>Proteomics</i> , 2008, 8, 2462-2476.	1.3	55
5	Atmospheric Pressure Gas-Phase H/D Exchange of Serine Octamers. <i>Analytical Chemistry</i> , 2003, 75, 6147-6154.	3.2	53
6	An Organic Chemist's Guide to Electrospray Mass Spectrometric Structure Elucidation. <i>Molecules</i> , 2019, 24, 611.	1.7	53
7	Coupling Immunomagnetic Separation on Magnetic Beads with Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Detection of Staphylococcal Enterotoxin B. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6945-6952.	1.4	52
8	Regulation of the Equilibrium between Closed and Open Conformations of Annexin A2 by N-Terminal Phosphorylation and S100A4-Binding. <i>Structure</i> , 2017, 25, 1195-1207.e5.	1.6	42
9	Phosphorylation of B14.5a Subunit from Bovine Heart Complex I Identified by Titanium Dioxide Selective Enrichment and Shotgun Proteomics. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 231-237.	2.5	38
10	Liquid chromatographic and mass spectrometric analysis of human serum acid alpha-1-glycoprotein. <i>Biomedical Chromatography</i> , 2004, 18, 323-329.	0.8	35
11	The azaphilic addition of organometallic reagents on tetrazines: scope and limitations. <i>Tetrahedron</i> , 2004, 60, 1991-1996.	1.0	32
12	MALDI-TOF mass spectrometry of a combinatorial peptide library: effect of matrix composition on signal suppression. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1590-1594.	0.7	30
13	Identification of phosphoproteins and determination of phosphorylation sites by zirconium dioxide enrichment and SELDI-MS/MS. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1069-1078.	0.7	28
14	Cell-penetrating conjugates of pentaglutamylated methotrexate as potential anticancer drugs against resistant tumor cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 361-368.	2.6	28
15	Feasibility of Formation of Hot Ions in Electrospray. <i>Analytical Chemistry</i> , 2002, 74, 6427-6429.	3.2	26
16	Dynamic control of RSK complexes by phosphoswitch-based regulation. <i>FEBS Journal</i> , 2018, 285, 46-71.	2.2	26
17	Biomimetic Oxidation of 3,5-Di-tert-butylcatechol by Dioxygen via Mn-Enhanced Base Catalysis. <i>Inorganic Chemistry</i> , 2006, 45, 7480-7487.	1.9	25
18	Synthesis and structural characterization of bioactive peptide conjugates using thioether linkage approaches. <i>Journal of Peptide Science</i> , 2004, 10, 701-713.	0.8	24

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19	Quantitative Comparison of Tandem Mass Spectra Obtained on Various Instruments. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1357-1365.	1.2	23
20	Collision energies on QToF and Orbitrap instruments: How to make proteomics measurements comparable?. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4693.	0.7	23
21	Formation of solvated ions in the atmospheric interface of an electrospray ionization triple-quadrupole mass spectrometer. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1245-1251.	0.7	22
22	Hydrogen/deuterium exchange of electrosprayed ions in the atmospheric interface of a commercial triple-quadrupole mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2003, 228, 729-741.	0.7	22
23	Copper-Induced Oligomerization of Peptides: A Model Study. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 331-337.	0.5	21
24	Detection of immune complexes by matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2741-2747.	0.7	20
25	Combination of solid-phase affinity capture on magnetic beads and mass spectrometry to study non-covalent interactions: example of minor groove binding drugs. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3307-3314.	0.7	20
26	Phage Display-Based Homing Peptide-Daunomycin Conjugates for Selective Drug Targeting to PANC-1 Pancreatic Cancer. <i>Pharmaceutics</i> , 2020, 12, 576.	2.0	19
27	Isolation and Structure Determination of New Jatrophone Diterpenoids from <i>Euphorbia platyphyllos</i> L.. <i>Helvetica Chimica Acta</i> , 2003, 86, 3386-3393.	1.0	18
28	Shotgun proteomics for the characterization of subunit composition of mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1438-1450.	0.5	17
29	Synthesis of oligotuftsin-based branched oligopeptide conjugates for chemotactic drug targeting. <i>Journal of Peptide Science</i> , 2006, 12, 328-336.	0.8	17
30	Effect of radioactive and non-radioactive mercury on wheat germination and the anti-toxic role of glutathione. <i>Isotopes in Environmental and Health Studies</i> , 2007, 43, 105-116.	0.5	17
31	Disulfide bond rearrangement during regioselective oxidation in PhS(O)Ph/CH <sub>3</sub> SiCl <sub>3</sub> mixture for the synthesis of $\pm$ -conotoxin GI. <i>Biopolymers</i> , 2007, 88, 20-28.	1.2	16
32	New daunomycin-oligoarginine conjugates: Synthesis, characterization, and effect on human leukemia and human hepatoma cells. <i>Biopolymers</i> , 2009, 92, 489-501.	1.2	15
33	Mass Spectrometric and Quantum-Chemical Study on the Structure, Stability, and Chirality of Protonated Serine Dimers. <i>Chemistry - A European Journal</i> , 2005, 11, 5908-5916.	1.7	14
34	Metastasis-associated S100A4 is a specific amine donor and an activity-independent binding partner of transglutaminase-2. <i>Biochemical Journal</i> , 2016, 473, 31-42.	1.7	14
35	Collision energies: Optimization strategies for bottom-up proteomics. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1261-1299.	2.8	13
36	Synthesis, solution structure analysis and antibody binding of cyclic epitope peptides from glycoprotein D of Herpes simplex virus type I. <i>Biophysical Chemistry</i> , 2003, 106, 155-171.	1.5	12

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37	Mapping the tandem mass spectrometric characteristics of citrulline-containing peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 844-850.	0.7	12
38	Sequence modification of heptapeptide selected by phage display as homing device for HT-29 colon cancer cells to improve the anti-tumour activity of drug delivery systems. <i>European Journal of Medicinal Chemistry</i> , 2019, 176, 105-116.	2.6	12
39	Identification of Tomato Infecting Viruses That Co-Isolate with Nanovesicles Using a Combined Proteomics and Electron-Microscopic Approach. <i>Nanomaterials</i> , 2021, 11, 1922.	1.9	12
40	Ferrocene-Containing Impiridone (ONC201) Hybrids: Synthesis, DFT Modelling, In Vitro Evaluation, and Structure-Activity Relationships. <i>Molecules</i> , 2018, 23, 2248.	1.7	11
41	Citrulline Effect Is a Characteristic Feature of Deiminated Peptides in Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1586-1591.	1.2	11
42	Directed Evolution of Canonical Loops and Their Swapping between Unrelated Serine Proteinase Inhibitors Disprove the Interscaffolding Additivity Model. <i>Journal of Molecular Biology</i> , 2019, 431, 557-575.	2.0	11
43	1,4-Diazepine-2,5-dione ring formation during solid phase synthesis of peptides containing aspartic acid $\beta^2$ -benzyl ester. <i>Journal of Peptide Science</i> , 2007, 13, 742-748.	0.8	10
44	Effect of Conjugation with Polypeptide Carrier on the Enzymatic Degradation of Herpes Simplex Virus Glycoprotein D Derived Epitope Peptide. <i>Bioconjugate Chemistry</i> , 2008, 19, 1652-1659.	1.8	10
45	Synthesis, Structure and In Vitro Cytotoxic Activity of Novel Cinchona-Chalcone Hybrids with 1,4-Disubstituted- and 1,5-Disubstituted 1,2,3-Triazole Linkers. <i>Molecules</i> , 2019, 24, 4077.	1.7	10
46	Matrix/analyte ratio influencing polymer molecular weight distribution in matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1249-1254.	0.7	9
47	Development of novel cyclic NGR peptide-daunomycin conjugates with dual targeting property. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 911-918.	1.3	9
48	Qualitative and quantitative evaluation of thylakoid complexes separated by Blue Native PAGE. <i>Plant Methods</i> , 2022, 18, 23.	1.9	9
49	Investigation of Neutral Losses and the Citrulline Effect for Modified H4 N-Terminal Pentapeptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 565-573.	1.2	8
50	Synthesis and Antibody Recognition of Cyclic Epitope Peptides, Together with Their Dimer and Conjugated Derivatives Based on Residues 9 <sup>â</sup> 22 of Herpes Simplex Virus Type 1 Glycoprotein D. <i>Bioconjugate Chemistry</i> , 2009, 20, 683-692.	1.8	7
51	Altered Glycosylation of Human Alpha-1-Acid Glycoprotein as a Biomarker for Malignant Melanoma. <i>Molecules</i> , 2021, 26, 6003.	1.7	7
52	Expression of glycosaminoglycans in cirrhotic liver and hepatocellular carcinoma—a pilot study including etiology. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3837-3846.	1.9	7
53	Detection of Bacterial Protein Toxins by Solid Phase Magnetic Immunocapture and Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2011, 739, 3-12.	0.4	6
54	Real-time kinetic method to monitor isopeptidase activity of transglutaminase 2 on protein substrate. <i>Analytical Biochemistry</i> , 2016, 505, 36-42.	1.1	5

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55	Photochemical and Structural Studies on Cyclic Peptide Models. <i>Molecules</i> , 2018, 23, 2196.	1.7	5
56	Overcharging Effect in Electrospray Ionization Mass Spectra of Daunomycin-Tuftsins Bioconjugates. <i>Molecules</i> , 2019, 24, 2981.	1.7	5
57	Six reasons to launch a Young Academy. <i>Nature</i> , 2021, 594, 599-601.	13.7	5
58	Competitive inhibition of the classical complement pathway using exogenous single-chain C1q recognition proteins. <i>Journal of Biological Chemistry</i> , 2022, 298, 102113.	1.6	5
59	Mass spectrometric analysis of combinatorial peptide libraries derived from the tandem repeat unit of MUC2 mucin. <i>Journal of Peptide Science</i> , 2003, 9, 361-374.	0.8	4
60	Synthesis of aryl 2,2,2-trifluoroethyl sulfides. <i>Journal of Fluorine Chemistry</i> , 2020, 231, 109464.	0.9	3
61	Pathogenic D76N Variant of $\beta$ 2-Microglobulin: Synergy of Diverse Effects in Both the Native and Amyloid States. <i>Biology</i> , 2021, 10, 1197.	1.3	3
62	Stepwise Collision Energy-Resolved Tandem Mass Spectrometric Experiments for the Improved Identification of Citrullinated Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 1176-1186.	1.2	3
63	Quantification of the Effect of Citrulline and Homocitrulline Residues on the Collision-Induced Fragmentation of Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1744-1750.	1.2	2
64	The advantage of 7- $\epsilon$ -diethylamino-3-(4-maleimidophenyl)-4-methylcoumarin fluorogenic tagging of sulfhydryl groups in oligopeptides for tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 476-478.	0.7	1
65	Membrane active Janus-oligomers of $\beta$ -peptides. <i>Chemical Science</i> , 2020, 11, 6868-6881.	3.7	1
66	Energy-resolved HCD fragmentation of daunorubicin-peptide conjugates. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4641.	0.7	1
67	Novel Polycondensed Partly Saturated $\beta$ -Carbolines Including Ferrocene Derivatives: Synthesis, DFT-Supported Structural Analysis, Mechanism of Some Diastereoselective Transformations and a Preliminary Study of their In Vitro Antiproliferative Effects. <i>Molecules</i> , 2020, 25, 1599.	1.7	1
68	Structural Characterization of Daunomycin-Peptide Conjugates by Various Tandem Mass Spectrometric Techniques. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1648.	1.8	1
69	Directed Evolution-Driven Increase of Structural Plasticity Is a Prerequisite for Binding the Complement Lectin Pathway Blocking MASP-Inhibitor Peptides. <i>ACS Chemical Biology</i> , 2022, , .	1.6	1
70	Stability of hydrated $\text{Ca}^{2+}$ clusters studied by energy and pressure resolved collision-induced decomposition. <i>Journal of Mass Spectrometry</i> , 2012, 47, 476-479.	0.7	0
71	Time- and pH-Dependent Copper Binding to $\beta$ -(1-16) Peptide: An Electrospray Ionization-Mass Spectrometric Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 125-131.	0.9	0