Susy Piovesana

List of Publications by Year in Descending Order

103 papers	2,567 citations	28 h-index	46 g-index
112 ext. papers	3,010 ext. citations	5.4 avg, IF	5.28 L-index

#	Paper	IF	Citations
103	Detailed investigation of the composition and transformations of phenolic compounds in fresh and fermented Vaccinium floribundum berry extracts by high-resolution mass spectrometry and bioinformatics.. *Phytochemical Analysis*, **2022**,	3.4	2
102	Untargeted analysis of contaminants in river water samples: Comparison between two different sorbents for solid-phase extraction followed by liquid chromatography-high-resolution mass spectrometry determination. *Microchemical Journal*, **2022**, 172, 106979	4.8	0
101	Comprehensive biomarker profiles and chemometric filtering of urinary metabolomics for effective discrimination of prostate carcinoma from benign hyperplasia.. *Scientific Reports*, **2022**, 12, 4361	4.9	
100	Fully Automatized Detection of Phosphocholine-Containing Lipids through an Isotopically Labeled Buffer Modification Workflow. *Analytical Chemistry*, **2021**, 93, 15042-15048	7.8	1
99	High-Resolution Mass Spectrometry and Chemometrics for the Detailed Characterization of Short Endogenous Peptides in Milk By-Products. *Molecules*, **2021**, 26,	4.8	1
98	Andean Blueberry of the Genus Disterigma: A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. *Separations*, **2021**, 8, 58	3.1	7
97	Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine. *Analytica Chimica Acta*, **2021**, 1158, 338381	6.6	10
96	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. *Antioxidants*, **2021**, 10,	7.1	6
95	In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. *Talanta*, **2021**, 228, 122249	6.2	1
94	Profiling and quantitative analysis of underivatized fatty acids in Chlorella vulgaris microalgae by liquid chromatography-high resolution mass spectrometry. *Journal of Separation Science*, **2021**, 44, 3041-3051	3.4	2
93	A rapid and innovative extraction and enrichment method for the metaproteomic characterization of dissolved organic matter in groundwater samples. *Journal of Separation Science*, **2021**, 44, 1612-1620	3.4	
92	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. *Food Chemistry*, **2021**, 343, 128443	8.5	7
91	Analytical Methodologies for Lipidomics in Hemp Plant. *Methods in Molecular Biology*, **2021**, 2306, 257-273	1.4	1
90	Optimal centrifugal isolating of liposome–protein complexes from human plasma. *Nanoscale Advances*, **2021**, 3, 3824-3834	5.1	5
89	Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. *Journal of Chromatography A*, **2021**, 1639, 461881	4.5	5
88	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. *Talanta*, **2021**, 230, 122313	6.2	9
87	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. *Journal of Chromatography A*, **2021**, 1655, 462492	4.5	12

86	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. *Talanta*, **2021**, 235, 122778	6.2	1
85	Methodologies for extraction and separation of short-chain bioactive peptides **2021**, 75-86		
84	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfoproteomics. *Analytical Chemistry*, **2020**, 92, 7964-7971	7.8	5
83	Untargeted Characterization of Chestnut (Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. *Molecules*, **2020**, 25,	4.8	11
82	A new opening for the tricky untargeted investigation of natural and modified short peptides. *Talanta*, **2020**, 219, 121262	6.2	10
81	Improved identification of phytocannabinoids using a dedicated structure-based workflow. *Talanta*, **2020**, 219, 121310	6.2	16
80	Does the protein corona take over the selectivity of molecularly imprinted nanoparticles? The biological challenges to recognition. *Journal of Proteomics*, **2020**, 219, 103736	3.9	8
79	Phospholipidome of extra virgin olive oil: Development of a solid phase extraction protocol followed by liquid chromatography-high resolution mass spectrometry for its software-assisted identification. *Food Chemistry*, **2020**, 310, 125860	8.5	13
78	Magnetic molecularly imprinted multishell particles for zearalenone recognition. *Polymer*, **2020**, 188, 122102	3.9	4
77	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. *Talanta*, **2020**, 209, 120573	6.2	27
76	New insights in hemp chemical composition: a comprehensive polar lipidome characterization by combining solid phase enrichment, high-resolution mass spectrometry, and cheminformatics. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 413-423	4.4	10
75	A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. *Journal of Chromatography A*, **2020**, 1613, 460699	4.5	4
74	Carbon nanostructure morphology templates nanocomposites for phosphoproteomics. *Nano Research*, **2020**, 13, 380-388	10	11
73	Developments and pitfalls in the characterization of phenolic compounds in food: From targeted analysis to metabolomics-based approaches. *TrAC - Trends in Analytical Chemistry*, **2020**, 133, 116083	14.6	9
72	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. *Foods*, **2020**, 9,	4.9	11
71	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. *Talanta*, **2020**, 209, 120487	6.2	11
70	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. *Toxins*, **2019**, 11,	4.9	9
69	Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 3395-3404	4.4	19

68	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. *Chromatographia*, **2019**, 82, 1251-1274	2.1	52
67	Peptides from Cauliflower By-Products, Obtained by an Efficient, Ecosustainable, and Semi-Industrial Method, Exert Protective Effects on Endothelial Function. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1046504	6.7	13
66	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 4885-4896	5.7	11
65	Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, **2019**, 42, 1938-1947	3.4	2
64	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. *Analytical Chemistry*, **2019**, 91, 11474-11481	7.8	17
63	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. *Talanta*, **2019**, 205, 120162	6.2	8
62	Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol from Work Environments. *Proteomics*, **2019**, 19, e1900152	4.8	1
61	Peptidomic Approach for the Identification of Peptides with Potential Antioxidant and Anti-Hyperthensive Effects Derived From Asparagus By-Products. *Molecules*, **2019**, 24,	4.8	13
60	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. *Scientific Reports*, **2019**, 9, 15782	4.9	4
59	Liposome protein corona characterization as a new approach in nanomedicine. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4313-4326	4.4	19
58	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. *Journal of Chromatography A*, **2019**, 1590, 73-79	4.5	20
57	Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry. *Food Chemistry*, **2019**, 278, 17-25	8.5	4
56	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. *Talanta*, **2018**, 183, 245-249	6.2	15
55	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in Tetradesmus obliquus microalgae. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3573-3586	4.4	58
54	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3425-3444	4.4	66
53	Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. *Talanta*, **2018**, 179, 792-802	6.2	26
52	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 1177-1185	4.4	20
51	Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. *Journal of Functional Foods*, **2018**, 44, 40-47	5.1	29

50	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass (Dicentrarchus labrax). *Food Analytical Methods*, **2018**, 11, 292-301	3.4	9
49	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. *Talanta*, **2018**, 178, 274-281	6.2	33
48	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. *Analytical Chemistry*, **2018**, 90, 8326-8330	7.8	6
47	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. *Talanta*, **2018**, 188, 671-675	6.2	12
46	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. *Molecules*, **2018**, 23,	4.8	10
45	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. *Analytical Chemistry*, **2018**, 90, 12230-12238	7.8	14
44	Comprehensive polyphenol profiling of a strawberry extract (Fragaria ananassa) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 2127-2142	4.4	31
43	Evaluation of column length and particle size effect on the untargeted profiling of a phytochemical mixture by using UHPLC coupled to high-resolution mass spectrometry. *Journal of Separation Science*, **2017**, 40, 2541-2557	3.4	15
42	A new carbon-based magnetic material for the dispersive solid-phase extraction of UV filters from water samples before liquid chromatography-tandem mass spectrometry analysis. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 4181-4194	4.4	22
41	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. *Journal of Chromatography A*, **2017**, 1498, 176-182	4.5	9
40	Proteomic analysis and bioluminescent reporter gene assays to investigate effects of simulated microgravity on Caco-2 cells. *Proteomics*, **2017**, 17, 1700081	4.8	7
39	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. *Food Research International*, **2017**, 100, 28-52	7	43
38	Magnetic Materials for the Selective Analysis of Peptide and Protein Biomarkers. *Current Medicinal Chemistry*, **2017**, 24, 438-453	4.3	12
37	Labeling and label free shotgun proteomics approaches to characterize muscle tissue from farmed and wild gilthead sea bream (Sparus aurata). *Journal of Chromatography A*, **2016**, 1428, 193-201	4.5	41
36	New Magnetic Graphitized Carbon Black TiO Composite for Phosphopeptide Selective Enrichment in Shotgun Phosphoproteomics. *Analytical Chemistry*, **2016**, 88, 12043-12050	7.8	44
35	Purification and identification of endogenous antioxidant and ACE-inhibitory peptides from donkey milk by multidimensional liquid chromatography and nanoHPLC-high resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5657-66	4.4	55
34	Recent trends in the analysis of bioactive peptides in milk and dairy products. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 2677-85	4.4	100
33	Phosphopeptide enrichment: Development of magnetic solid phase extraction method based on polydopamine coating and Ti(4+)-IMAC. *Analytica Chimica Acta*, **2016**, 909, 67-74	6.6	32

32	Polydopamine-coated magnetic nanoparticles for isolation and enrichment of estrogenic compounds from surface water samples followed by liquid chromatography-tandem mass spectrometry determination. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 4011-20	4.4	27
31	Identification of three novel angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. *Journal of Functional Foods*, **2016**, 27, 262-273	5.1	27
30	Membrane proteome functional characterization of breast cancer-initiating cells subjected to bone morphogenetic protein signaling inhibition by dorsomorphin. *Medicinal Chemistry Research*, **2016**, 25, 1971-1979	2.2	
29	Simultaneous Determination of Naturally Occurring Estrogens and Mycoestrogens in Milk by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 8940-6	5.7	22
28	Lipid composition: a key factor for the rational manipulation of the liposome–protein corona by liposome design. *RSC Advances*, **2015**, 5, 5967-5975	3.7	64
27	Development of an analytical strategy for the identification of potential bioactive peptides generated by in vitro tryptic digestion of fish muscle proteins. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 845-54	4.4	32
26	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. *Journal of Liquid Chromatography and Related Technologies*, **2015**, 38, 353-370	1.3	22
25	Natural estrogens in dairy products: Determination of free and conjugated forms by ultra high performance liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, **2015**, 38, 3599-606	3.4	14
24	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. *Toxins*, **2015**, 7, 3554-71	4.9	32
23	Peptidome characterization and bioactivity analysis of donkey milk. *Journal of Proteomics*, **2015**, 119, 21-9	3.9	53
22	Characterization of quinoa seed proteome combining different protein precipitation techniques: Improvement of knowledge of nonmodel plant proteomics. *Journal of Separation Science*, **2015**, 38, 1017-25	3.4	21
21	Heterosis profile of sunflower leaves: a label free proteomics approach. *Journal of Proteomics*, **2014**, 99, 101-10	3.9	29
20	Proteomic study of a tolerant genotype of durum wheat under salt-stress conditions. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 1423-35	4.4	42
19	Effect of polyethyleneglycol (PEG) chain length on the bio-nano-interactions between PEGylated lipid nanoparticles and biological fluids: from nanostructure to uptake in cancer cells. *Nanoscale*, **2014**, 6, 2782-92	7.7	353
18	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. *Molecular BioSystems*, **2014**, 10, 2815-9		16
17	The liposome-protein corona in mice and humans and its implications for in vivo delivery. *Journal of Materials Chemistry B*, **2014**, 2, 7419-7428	7.3	70
16	Analytical Methods for Characterizing the Nanoparticle–Protein Corona. *Chromatographia*, **2014**, 77, 755-769	2.1	50
15	Multiresidue determination of UV filters in water samples by solid-phase extraction and liquid chromatography with tandem mass spectrometry analysis. *Journal of Separation Science*, **2014**, 37, 2882-91	3.4	20

14	Determination of enantioselectivity and enantiomeric excess by mass spectrometry in the absence of chiral chromatographic separation: an overview. *Chemistry - A European Journal*, **2013**, 19, 11478-94	4.8	21
13	Proteomic characterization of human platelet-derived microparticles. *Analytica Chimica Acta*, **2013**, 776, 57-63	6.6	37
12	Recent trends in matrix solid-phase dispersion. *TrAC - Trends in Analytical Chemistry*, **2013**, 43, 53-66	14.6	80
11	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk. *Journal of Chromatography A*, **2013**, 1319, 72-9	4.5	21
10	Proteomic platform for the identification of proteins in olive (Olea europaea) pulp. *Analytica Chimica Acta*, **2013**, 800, 36-42	6.6	14
9	Analytical strategies based on chromatography-mass spectrometry for the determination of estrogen-mimicking compounds in food. *Journal of Chromatography A*, **2013**, 1313, 62-77	4.5	45
8	Proteome investigation of the non-model plant pomegranate (Punica granatum L.). *Analytical and Bioanalytical Chemistry*, **2013**, 405, 9301-9	4.4	16
7	Multiclass screening method based on solvent extraction and liquid chromatography-tandem mass spectrometry for the determination of antimicrobials and mycotoxins in egg. *Journal of Chromatography A*, **2012**, 1268, 84-90	4.5	61
6	Comparison of three different enrichment strategies for serum low molecular weight protein identification using shotgun proteomics approach. *Analytica Chimica Acta*, **2012**, 740, 58-65	6.6	38
5	Mehrfachkatalyse durch zwei chirale Einheiten: eine weitere Dimension in der asymmetrischen Synthese. *Angewandte Chemie*, **2011**, 123, 6340-6357	3.6	50
4	Titelbild: Mehrfachkatalyse durch zwei chirale Einheiten: eine weitere Dimension in der asymmetrischen Synthese (Angew. Chem. 28/2011). *Angewandte Chemie*, **2011**, 123, 6307-6307	3.6	
3	Multiple catalysis with two chiral units: an additional dimension for asymmetric synthesis. *Angewandte Chemie - International Edition*, **2011**, 50, 6216-32	16.4	145
2	Cover Picture: Multiple Catalysis with Two Chiral Units: An Additional Dimension for Asymmetric Synthesis (Angew. Chem. Int. Ed. 28/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 6183-6183	16.4	
1	Unsaturated beta-ketoesters as versatile electrophiles in organocatalysis. *Chemical Communications*, **2010**, 46, 5160-2	5.8	18