

Susy Piovesana

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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	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. <i>Nanoscale</i> , 2014 , 6, 2782-92	7.7	353
102	Multiple catalysis with two chiral units: an additional dimension for asymmetric synthesis. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6216-32	16.4	145
101	Recent trends in the analysis of bioactive peptides in milk and dairy products. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2677-85	4.4	100
100	Recent trends in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 43, 53-66	14.6	80
99	The liposome-protein corona in mice and humans and its implications for in vivo delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7419-7428	7.3	70
98	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3425-3444	4.4	66
97	Lipid composition: a key factor for the rational manipulation of the liposome-protein corona by liposome design. <i>RSC Advances</i> , 2015 , 5, 5967-5975	3.7	64
96	Multiclass screening method based on solvent extraction and liquid chromatography-tandem mass spectrometry for the determination of antimicrobials and mycotoxins in egg. <i>Journal of Chromatography A</i> , 2012 , 1268, 84-90	4.5	61
95	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in <i>Tetrademus obliquus</i> microalgae. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3573-3586	4.4	58
94	Purification and identification of endogenous antioxidant and ACE-inhibitory peptides from donkey milk by multidimensional liquid chromatography and nanoHPLC-high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5657-66	4.4	55
93	Peptidome characterization and bioactivity analysis of donkey milk. <i>Journal of Proteomics</i> , 2015 , 119, 21-9	3.9	53
92	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. <i>Chromatographia</i> , 2019 , 82, 1251-1274	2.1	52
91	Analytical Methods for Characterizing the Nanoparticle-Protein Corona. <i>Chromatographia</i> , 2014 , 77, 755-769	2.1	50
90	Mehrfachkatalyse durch zwei chirale Einheiten: eine weitere Dimension in der asymmetrischen Synthese. <i>Angewandte Chemie</i> , 2011 , 123, 6340-6357	3.6	50
89	Analytical strategies based on chromatography-mass spectrometry for the determination of estrogen-mimicking compounds in food. <i>Journal of Chromatography A</i> , 2013 , 1313, 62-77	4.5	45
88	New Magnetic Graphitized Carbon Black TiO Composite for Phosphopeptide Selective Enrichment in Shotgun Phosphoproteomics. <i>Analytical Chemistry</i> , 2016 , 88, 12043-12050	7.8	44
87	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. <i>Food Research International</i> , 2017 , 100, 28-52	7	43

86	Proteomic study of a tolerant genotype of durum wheat under salt-stress conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1423-35	4.4	42
85	Labeling and label free shotgun proteomics approaches to characterize muscle tissue from farmed and wild gilthead sea bream (<i>Sparus aurata</i>). <i>Journal of Chromatography A</i> , 2016 , 1428, 193-201	4.5	41
84	Comparison of three different enrichment strategies for serum low molecular weight protein identification using shotgun proteomics approach. <i>Analytica Chimica Acta</i> , 2012 , 740, 58-65	6.6	38
83	Proteomic characterization of human platelet-derived microparticles. <i>Analytica Chimica Acta</i> , 2013 , 776, 57-63	6.6	37
82	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. <i>Talanta</i> , 2018 , 178, 274-281	6.2	33
81	Development of an analytical strategy for the identification of potential bioactive peptides generated by in vitro tryptic digestion of fish muscle proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 845-54	4.4	32
80	Phosphopeptide enrichment: Development of magnetic solid phase extraction method based on polydopamine coating and Ti(4+)-IMAC. <i>Analytica Chimica Acta</i> , 2016 , 909, 67-74	6.6	32
79	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. <i>Toxins</i> , 2015 , 7, 3554-71	4.9	32
78	Comprehensive polyphenol profiling of a strawberry extract (<i>Fragaria lananassa</i>) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2127-2142	4.4	31
77	Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , 2018 , 44, 40-47	5.1	29
76	Heterosis profile of sunflower leaves: a label free proteomics approach. <i>Journal of Proteomics</i> , 2014 , 99, 101-10	3.9	29
75	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. <i>Talanta</i> , 2020 , 209, 120573	6.2	27
74	Polydopamine-coated magnetic nanoparticles for isolation and enrichment of estrogenic compounds from surface water samples followed by liquid chromatography-tandem mass spectrometry determination. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4011-20	4.4	27
73	Identification of three novel angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , 2016 , 27, 262-273	5.1	27
72	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. <i>Talanta</i> , 2018 , 179, 792-802	6.2	26
71	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. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4181-4194	4.4	22
70	Simultaneous Determination of Naturally Occurring Estrogens and Mycoestrogens in Milk by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8940-6	5.7	22
69	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 353-370	1.3	22

68	Determination of enantioselectivity and enantiomeric excess by mass spectrometry in the absence of chiral chromatographic separation: an overview. <i>Chemistry - A European Journal</i> , 2013 , 19, 11478-94	4.8	21
67	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk. <i>Journal of Chromatography A</i> , 2013 , 1319, 72-9	4.5	21
66	Characterization of quinoa seed proteome combining different protein precipitation techniques: Improvement of knowledge of nonmodel plant proteomics. <i>Journal of Separation Science</i> , 2015 , 38, 1017-25	2.4	21
65	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1177-1185	4.4	20
64	Multiresidue determination of UV filters in water samples by solid-phase extraction and liquid chromatography with tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , 2014 , 37, 2882-91	3.4	20
63	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1590, 73-79	4.5	20
62	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3395-3404	4.4	19
61	Liposome protein corona characterization as a new approach in nanomedicine. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4313-4326	4.4	19
60	Unsaturated beta-ketoesters as versatile electrophiles in organocatalysis. <i>Chemical Communications</i> , 2010 , 46, 5160-2	5.8	18
59	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. <i>Analytical Chemistry</i> , 2019 , 91, 11474-11481	7.8	17
58	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , 2020 , 219, 121310	6.2	16
57	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. <i>Molecular BioSystems</i> , 2014 , 10, 2815-9		16
56	Proteome investigation of the non-model plant pomegranate (<i>Punica granatum</i> L.). <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 9301-9	4.4	16
55	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. <i>Journal of Separation Science</i> , 2017 , 40, 2541-2557	3.4	15
54	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. <i>Talanta</i> , 2018 , 183, 245-249	6.2	15
53	Proteomic platform for the identification of proteins in olive (<i>Olea europaea</i>) pulp. <i>Analytica Chimica Acta</i> , 2013 , 800, 36-42	6.6	14
52	Natural estrogens in dairy products: Determination of free and conjugated forms by ultra high performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2015 , 38, 3599-606	3.4	14
51	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. <i>Analytical Chemistry</i> , 2018 , 90, 12230-12238	7.8	14

50	Peptides from Cauliflower By-Products, Obtained by an Efficient, Ecosustainable, and Semi-Industrial Method, Exert Protective Effects on Endothelial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1046504	6.7	13
49	Peptidomic Approach for the Identification of Peptides with Potential Antioxidant and Anti-Hyperthensive Effects Derived From Asparagus By-Products. <i>Molecules</i> , 2019 , 24,	4.8	13
48	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. <i>Food Chemistry</i> , 2020 , 310, 125860	8.5	13
47	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. <i>Talanta</i> , 2018 , 188, 671-675	6.2	12
46	Magnetic Materials for the Selective Analysis of Peptide and Protein Biomarkers. <i>Current Medicinal Chemistry</i> , 2017 , 24, 438-453	4.3	12
45	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. <i>Journal of Chromatography A</i> , 2021 , 1655, 462492	4.5	12
44	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4885-4896	5.7	11
43	Untargeted Characterization of Chestnut (Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. <i>Molecules</i> , 2020 , 25,	4.8	11
42	Carbon nanostructure morphology templates nanocomposites for phosphoproteomics. <i>Nano Research</i> , 2020 , 13, 380-388	10	11
41	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. <i>Foods</i> , 2020 , 9,	4.9	11
40	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. <i>Talanta</i> , 2020 , 209, 120487	6.2	11
39	A new opening for the tricky untargeted investigation of natural and modified short peptides. <i>Talanta</i> , 2020 , 219, 121262	6.2	10
38	New insights in hemp chemical composition: a comprehensive polar lipidome characterization by combining solid phase enrichment, high-resolution mass spectrometry, and cheminformatics. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 413-423	4.4	10
37	Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine. <i>Analytica Chimica Acta</i> , 2021 , 1158, 338381	6.6	10
36	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. <i>Molecules</i> , 2018 , 23,	4.8	10
35	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. <i>Journal of Chromatography A</i> , 2017 , 1498, 176-182	4.5	9
34	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. <i>Toxins</i> , 2019 , 11,	4.9	9
33	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass (<i>Dicentrarchus labrax</i>). <i>Food Analytical Methods</i> , 2018 , 11, 292-301	3.4	9

32	Developments and pitfalls in the characterization of phenolic compounds in food: From targeted analysis to metabolomics-based approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116083	14.6	9
31	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , 2021 , 230, 122313	6.2	9
30	Does the protein corona take over the selectivity of molecularly imprinted nanoparticles? The biological challenges to recognition. <i>Journal of Proteomics</i> , 2020 , 219, 103736	3.9	8
29	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. <i>Talanta</i> , 2019 , 205, 120162	6.2	8
28	Proteomic analysis and bioluminescent reporter gene assays to investigate effects of simulated microgravity on Caco-2 cells. <i>Proteomics</i> , 2017 , 17, 1700081	4.8	7
27	Andean Blueberry of the Genus <i>Disterigma</i> : A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. <i>Separations</i> , 2021 , 8, 58	3.1	7
26	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. <i>Food Chemistry</i> , 2021 , 343, 128443	8.5	7
25	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8326-8330	7.8	6
24	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. <i>Antioxidants</i> , 2021 , 10,	7.1	6
23	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfopeptidomics. <i>Analytical Chemistry</i> , 2020 , 92, 7964-7971	7.8	5
22	Optimal centrifugal isolating of liposome-protein complexes from human plasma. <i>Nanoscale Advances</i> , 2021 , 3, 3824-3834	5.1	5
21	Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. <i>Journal of Chromatography A</i> , 2021 , 1639, 461881	4.5	5
20	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. <i>Scientific Reports</i> , 2019 , 9, 15782	4.9	4
19	Magnetic molecularly imprinted multishell particles for zearalenone recognition. <i>Polymer</i> , 2020 , 188, 122102	3.9	4
18	A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. <i>Journal of Chromatography A</i> , 2020 , 1613, 460699	4.5	4
17	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. <i>Food Chemistry</i> , 2019 , 278, 17-25	8.5	4
16	Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019 , 42, 1938-1947	3.4	2
15	Detailed investigation of the composition and transformations of phenolic compounds in fresh and fermented <i>Vaccinium floribundum</i> berry extracts by high-resolution mass spectrometry and bioinformatics. <i>Phytochemical Analysis</i> , 2022 ,	3.4	2

14	Profiling and quantitative analysis of underivatized fatty acids in <i>Chlorella vulgaris</i> microalgae by liquid chromatography-high resolution mass spectrometry. <i>Journal of Separation Science</i> , 2021 , 44, 3041-3051 ^{3,4}	2
13	Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol from Work Environments. <i>Proteomics</i> , 2019 , 19, e1900152	4.8 1
12	Fully Automatized Detection of Phosphocholine-Containing Lipids through an Isotopically Labeled Buffer Modification Workflow. <i>Analytical Chemistry</i> , 2021 , 93, 15042-15048	7.8 1
11	High-Resolution Mass Spectrometry and Chemometrics for the Detailed Characterization of Short Endogenous Peptides in Milk By-Products. <i>Molecules</i> , 2021 , 26,	4.8 1
10	In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , 2021 , 228, 122249	6.2 1
9	Analytical Methodologies for Lipidomics in Hemp Plant. <i>Methods in Molecular Biology</i> , 2021 , 2306, 257-273 ¹	1
8	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , 2021 , 235, 122778	6.2 1
7	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. <i>Microchemical Journal</i> , 2022 , 172, 106979	4.8 0
6	Titelbild: Mehrfachkatalyse durch zwei chirale Einheiten: eine weitere Dimension in der asymmetrischen Synthese (Angew. Chem. 28/2011). <i>Angewandte Chemie</i> , 2011 , 123, 6307-6307	3.6
5	Cover Picture: Multiple Catalysis with Two Chiral Units: An Additional Dimension for Asymmetric Synthesis (Angew. Chem. Int. Ed. 28/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6183-6183 ^{16,4}	16.4
4	Membrane proteome functional characterization of breast cancer-initiating cells subjected to bone morphogenetic protein signaling inhibition by dorsomorphin. <i>Medicinal Chemistry Research</i> , 2016 , 25, 1971-1979	2.2
3	A rapid and innovative extraction and enrichment method for the metaproteomic characterization of dissolved organic matter in groundwater samples. <i>Journal of Separation Science</i> , 2021 , 44, 1612-1620 ^{3,4}	3.4
2	Methodologies for extraction and separation of short-chain bioactive peptides 2021 , 75-86	
1	Comprehensive biomarker profiles and chemometric filtering of urinary metabolomics for effective discrimination of prostate carcinoma from benign hyperplasia.. <i>Scientific Reports</i> , 2022 , 12, 4361	4.9