Michael Affolter

List of Publications by Year
in descending order

61 papers	3,084 citations	201575 27 h-index	155592 55 g-index
62 all docs	62 docs citations	62 times ranked	3901 citing authors

#	Article	IF	Citations
1	Soluble Forms of Toll-Like Receptor (TLR)2 Capable of Modulating TLR2 Signaling Are Present in Human Plasma and Breast Milk. Journal of Immunology, 2003, 171, 6680-6689.	0.4	301
2	OMICS-driven biomarker discovery in nutrition and health. Journal of Biotechnology, 2006, 124, 758-787.	1.9	268
3	Innate Recognition of Bacteria in Human Milk Is Mediated by a Milk-Derived Highly Expressed Pattern Recognition Receptor, Soluble Cd14. Journal of Experimental Medicine, 2000, 191, 1807-1812.	4.2	211
4	Hydrophilic Interaction Liquid Chromatography Coupled to Electrospray Mass Spectrometry of Small Polar Compounds in Food Analysis. Analytical Chemistry, 2003, 75, 2349-2354.	3.2	142
5	A Serpin from the Gut Bacterium Bifidobacterium longum Inhibits Eukaryotic Elastase-like Serine Proteases. Journal of Biological Chemistry, 2006, 281, 17246-17252.	1.6	141
6	Qualitative and quantitative profiling of the bovine milk fat globule membrane proteome. Journal of Proteomics, 2010, 73, 1079-1088.	1.2	129
7	Mass spectrometry for nutritional peptidomics: How to analyze food bioactives and their health effects. Journal of Proteomics, 2012, 75, 3546-3559.	1.2	126
8	The Direct Recruitment of BLNK to Immunoglobulin Î± Couples the B-Cell Antigen Receptor to Distal Signaling Pathways. Molecular and Cellular Biology, 2002, 22, 2524-2535.	1.1	120
9	Modulation of Neonatal Microbial Recognition: TLR-Mediated Innate Immune Responses Are Specifically and Differentially Modulated by Human Milk. Journal of Immunology, 2006, 176, 3742-3752.	0.4	112
10	Experimental and computational approaches to quantitative proteomics: Status quo and outlook. Journal of Proteomics, 2008, 71, 19-33.	1.2	108
11	OMICS-rooted studies of milk proteins, oligosaccharides and lipids. Journal of Proteomics, 2009, 73, 196-208.	1.2	88
12	Human Milk Oligosaccharides in the Milk of Mothers Delivering Term versus Preterm Infants. Nutrients, 2019, 11, 1282.	1.7	87
13	Influence of Fermentation Medium Composition on Physicochemical Surface Properties of Lactobacillus acidophilus. Applied and Environmental Microbiology, 2005, 71, 8165-8173.	1.4	73
14	Proteomics in Nutrition: Status Quo and Outlook for Biomarkers and Bioactives. Journal of Proteome Research, 2010, 9, 4876-4887.	1.8	65
15	Mass spectrometry in nutrition: Understanding dietary health effects at the molecular level. Mass Spectrometry Reviews, 2007, 26, 727-750.	2.8	59
16	N-Linked Glycan Profiling of Mature Human Milk by High-Performance Microfluidic Chip Liquid Chromatography Time-of-Flight Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2011, 59, 4255-4263.	2.4	55
17	Food Peptidomics: Large scale analysis of small bioactive peptides â€" A pilot study. Journal of Proteomics, 2013, 88, 83-91.	1.2	49
18	Longitudinal Analysis of Macronutrient Composition in Preterm and Term Human Milk: A Prospective Cohort Study. Nutrients, 2019, 11, 1525.	1.7	48

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19	Functional characterization of a salt- and thermotolerant glutaminase from Lactobacillus rhamnosus. Enzyme and Microbial Technology, 2003, 32, 862-867.	1.6	47
20	Primary structure of a new actin-binding protein from human seminal plasma. FEBS Journal, 1991, 196, 743-750.	0.2	43
21	ANIBAL, Stable Isotope-based Quantitative Proteomics by Aniline and Benzoic Acid Labeling of Amino and Carboxylic Groups. Molecular and Cellular Proteomics, 2008, 7, 800-812.	2.5	40
22	Proteomics in Nutrition and Health. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 679-696.	0.6	39
23	Proteomic methods in nutrition. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 575-583.	1.3	38
24	Metabotyping ofCaenorhabditis elegansand their Culture Media Revealed Unique Metabolic Phenotypes Associated to Amino Acid Deficiency and Insulin-Like Signaling. Journal of Proteome Research, 2011, 10, 990-1003.	1.8	37
25	Protein fingerprinting and quantification of Î²-casein variants by ultra-performance liquid chromatographyâ€“high-resolution mass spectrometry. Journal of Dairy Science, 2020, 103, 1193-1207.	1.4	35
26	Proteomics of human biological fluids for biomarker discoveries: technical advances and recent applications. Expert Review of Proteomics, 2022, 19, 131-151.	1.3	35
27	In vitroactivity of commercial probioticLactobacillusstrains against uropathogenicEscherichia coli. FEMS Microbiology Letters, 2015, 362, fnv096.	0.7	32
28	Longitudinal Changes of Mineral Concentrations in Preterm and Term Human Milk from Lactating Swiss Women. Nutrients, 2019, 11, 1855.	1.7	31
29	Identification of the Autophosphorylation Sites of theXenopus laevis Pim-1 Proto-oncogene-encoded Protein Kinase. Journal of Biological Chemistry, 1997, 272, 10514-10521.	1.6	30
30	Temporal Progression of Fatty Acids in Preterm and Term Human Milk of Mothers from Switzerland. Nutrients, 2019, 11, 112.	1.7	29
31	Proteomics of the rat gut: Analysis of the myenteric plexus-longitudinal muscle preparation. Proteomics, 2005, 5, 2561-2569.	1.3	28
32	Temporal Changes of Protein Composition in Breast Milk of Chinese Urban Mothers and Impact of Caesarean Section Delivery. Nutrients, 2016, 8, 504.	1.7	28
33	Comparison of the Specificity of Bacterially Expressed Cytoplasmic Protein-Tyrosine Phosphatases SHP and SH-PTP2 Towards Synthetic Phosphopeptide Substrates. FEBS Journal, 1995, 231, 673-681.	0.2	27
34	A Nutrigenomics View of Protein Intake. Progress in Molecular Biology and Translational Science, 2012, 108, 51-74.	0.9	27
35	Comparison of macronutrient content in human milk measured by mid-infrared human milk analyzer and reference methods. Journal of Perinatology, 2019, 39, 497-503.	0.9	25
36	Differentially isotope-coded N-terminal protein sulphonation: Combining protein identification and quantification. Proteomics, 2006, 6, 2338-2349.	1.3	24

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37	Rapid enrichment of bioactive milk proteins and iterative, consolidated protein identification by multidimensional protein identification technology. Proteomics, 2005, 5, 3836-3846.	1.3	23
38	Label-free quantitative proteomics of two Bifidobacterium longum strains. Journal of Proteomics, 2009, 72, 771-784.	1.2	23
39	Recombinant Gene Expression and1H NMR Characteristics of the Kringle (2 + 3) Supermodule:Â Spectroscopic/Functional Individuality of Plasminogen Kringle Domainsâ€. Biochemistry, 1996, 35, 2357-2364.	1.2	22
40	Progress and pitfalls of using isobaric mass tags for proteome profiling. Expert Review of Proteomics, 2020, 17, 149-161.	1.3	22
41	Rapid identification of differentiation markers from whole epithelial cells by matrixâ€assisted laser desorption/ionisation timeâ€ofâ€flight mass spectrometry and statistical analysis. Rapid Communications in Mass Spectrometry, 2008, 22, 1099-1108.	0.7	21
42	Proteomics at the center of nutrigenomics: Comprehensive molecular understanding of dietary health effects. Nutrition, 2009, 25, 1085-1093.	1.1	21
43	Maternal deprivation affects the neuromuscular protein profile of the rat colon in response to an acute stressor later in life. Journal of Proteomics, 2008, 71, 80-88.	1.2	20
44	Amino Acid Composition of Breast Milk from Urban Chinese Mothers. Nutrients, 2016, 8, 606.	1.7	19
45	Subclinical Mastitis in a European Multicenter Cohort: Prevalence, Impact on Human Milk (HM) Composition, and Association with Infant HM Intake and Growth. Nutrients, 2020, 12, 105.	1.7	19
46	Design of Virtual Libraries of Umami-Tasting Molecules. Journal of Chemical Information and Computer Sciences, 2003, 43, 1248-1258.	2.8	17
47	Temporal changes of major protein concentrations in preterm and term human milk. A prospective cohort study. Clinical Nutrition, 2019, 38, 1844-1852.	2.3	17
48	Vitamins and carotenoids in human milk delivering preterm and term infants: Implications for preterm nutrient requirements and human milk fortification strategies. Clinical Nutrition, 2021, 40, 222-228.	2.3	17
49	Combining protein identification and quantification: C-terminal isotope-coded tagging using sulfanilic acid. Rapid Communications in Mass Spectrometry, 2006, 20, 1585-1594.	0.7	16
50	Toward Protein Biomarkers for Allergy: CD4+ T Cell Proteomics in Allergic and Nonallergic Subjects Sampled in and out of Pollen Season. Journal of Proteome Research, 2011, 10, 1558-1570.	1.8	9
51	Proteomics of Human Milk: Definition of a Discovery Workflow for Clinical Research Studies. Journal of Proteome Research, 2021, 20, 2283-2290.	1.8	9
52	Protein levels and protease activity in milk from mothers of pre-term infants: A prospective longitudinal study of human milk macronutrient composition. Clinical Nutrition, 2021, 40, 3567-3577.	2.3	9
53	Peptide Characterization and Functional Stability of a Partially Hydrolyzed Whey-Based Formula over Time. Nutrients, 2021, 13, 3011.	1.7	6
54	Mass spectrometry as a rapid and powerful alternative to antibodies for detecting LPXTG wall-associated proteins of Staphylococcus aureus. International Journal of Mass Spectrometry, 2007, 268, 234-243.	0.7	4

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55	Omics in Nutrition and Health Research. , 0, , 11-29.		4
56	Differential Human Plasma Proteomics Based on AniBal Quantification and Peptide-level Off-Gel Isoelectric Focussing. Proteomics Insights, 2010, 3, PRI.S4851.	2.0	1
57	Special Issue â€œGenome Regulationâ€• Journal of Proteomics, 2012, 75, 3381-3385.	1.2	1
58	Proteins in human milk: an overview. , 2021, , 69-90.		1
59	MPSA short communications. The Protein Journal, 1994, 13, 431-512.	1.1	0
60	Design of Virtual Libraries of Umami-Tasting Molecules.. ChemInform, 2003, 34, no.	0.1	0
61	Proteomics in the Systems-Level Study of the Metabolic Syndrome. , 2014, , 185-212.		0