

Michael Affolter

List of Publications by Year in descending order

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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	Proteomics of human biological fluids for biomarker discoveries: technical advances and recent applications. Expert Review of Proteomics, 2022, 19, 131-151.	1.3	35
2	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
3	Proteins in human milk: an overview. , 2021, , 69-90.		1
4	Proteomics of Human Milk: Definition of a Discovery Workflow for Clinical Research Studies. Journal of Proteome Research, 2021, 20, 2283-2290.	1.8	9
5	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
6	Peptide Characterization and Functional Stability of a Partially Hydrolyzed Whey-Based Formula over Time. Nutrients, 2021, 13, 3011.	1.7	6
7	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
8	Protein fingerprinting and quantification of β -casein variants by ultra-performance liquid chromatography–high-resolution mass spectrometry. Journal of Dairy Science, 2020, 103, 1193-1207.	1.4	35
9	Progress and pitfalls of using isobaric mass tags for proteome profiling. Expert Review of Proteomics, 2020, 17, 149-161.	1.3	22
10	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
11	Longitudinal Changes of Mineral Concentrations in Preterm and Term Human Milk from Lactating Swiss Women. Nutrients, 2019, 11, 1855.	1.7	31
12	Longitudinal Analysis of Macronutrient Composition in Preterm and Term Human Milk: A Prospective Cohort Study. Nutrients, 2019, 11, 1525.	1.7	48
13	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
14	Human Milk Oligosaccharides in the Milk of Mothers Delivering Term versus Preterm Infants. Nutrients, 2019, 11, 1282.	1.7	87
15	Temporal Progression of Fatty Acids in Preterm and Term Human Milk of Mothers from Switzerland. Nutrients, 2019, 11, 112.	1.7	29
16	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
17	Amino Acid Composition of Breast Milk from Urban Chinese Mothers. Nutrients, 2016, 8, 606.	1.7	19
18	<i>In vitro</i> activity of commercial probiotic <i>Lactobacillus</i> strains against uropathogenic <i>Escherichia coli</i> . FEMS Microbiology Letters, 2015, 362, fmv096.	0.7	32

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19	Proteomics in the Systems-Level Study of the Metabolic Syndrome. , 2014, , 185-212.		0
20	Food Peptidomics: Large scale analysis of small bioactive peptides â€” A pilot study. Journal of Proteomics, 2013, 88, 83-91.	1.2	49
21	Mass spectrometry for nutritional peptidomics: How to analyze food bioactives and their health effects. Journal of Proteomics, 2012, 75, 3546-3559.	1.2	126
22	Special Issue â€œGenome Regulationâ€• Journal of Proteomics, 2012, 75, 3381-3385.	1.2	1
23	A Nutrigenomics View of Protein Intake. Progress in Molecular Biology and Translational Science, 2012, 108, 51-74.	0.9	27
24	Metabotyping of <i>Caenorhabditis elegans</i> and 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	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
26	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
27	Qualitative and quantitative profiling of the bovine milk fat globule membrane proteome. Journal of Proteomics, 2010, 73, 1079-1088.	1.2	129
28	Differential Human Plasma Proteomics Based on AniBal Quantification and Peptide-level Off-Gel Isoelectric Focussing. Proteomics Insights, 2010, 3, P.R.I.S.4851.	2.0	1
29	Proteomics in Nutrition: Status Quo and Outlook for Biomarkers and Bioactives. Journal of Proteome Research, 2010, 9, 4876-4887.	1.8	65
30	Proteomics at the center of nutrigenomics: Comprehensive molecular understanding of dietary health effects. Nutrition, 2009, 25, 1085-1093.	1.1	21
31	Label-free quantitative proteomics of two <i>Bifidobacterium longum</i> strains. Journal of Proteomics, 2009, 72, 771-784.	1.2	23
32	OMICS-rooted studies of milk proteins, oligosaccharides and lipids. Journal of Proteomics, 2009, 73, 196-208.	1.2	88
33	Rapid identification of differentiation markers from whole epithelial cells by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry and statistical analysis. Rapid Communications in Mass Spectrometry, 2008, 22, 1099-1108.	0.7	21
34	Experimental and computational approaches to quantitative proteomics: Status quo and outlook. Journal of Proteomics, 2008, 71, 19-33.	1.2	108
35	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
36	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

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37	Mass spectrometry in nutrition: Understanding dietary health effects at the molecular level. <i>Mass Spectrometry Reviews</i> , 2007, 26, 727-750.	2.8	59
38	Mass spectrometry as a rapid and powerful alternative to antibodies for detecting LPXTG wall-associated proteins of <i>Staphylococcus aureus</i> . <i>International Journal of Mass Spectrometry</i> , 2007, 268, 234-243.	0.7	4
39	OMICS-driven biomarker discovery in nutrition and health. <i>Journal of Biotechnology</i> , 2006, 124, 758-787.	1.9	268
40	Proteomic methods in nutrition. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006, 9, 575-583.	1.3	38
41	Combining protein identification and quantification: C-terminal isotope-coded tagging using sulfanilic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1585-1594.	0.7	16
42	Differentially isotope-coded N-terminal protein sulphonation: Combining protein identification and quantification. <i>Proteomics</i> , 2006, 6, 2338-2349.	1.3	24
43	Modulation of Neonatal Microbial Recognition: TLR-Mediated Innate Immune Responses Are Specifically and Differentially Modulated by Human Milk. <i>Journal of Immunology</i> , 2006, 176, 3742-3752.	0.4	112
44	A Serpin from the Gut Bacterium <i>Bifidobacterium longum</i> Inhibits Eukaryotic Elastase-like Serine Proteases. <i>Journal of Biological Chemistry</i> , 2006, 281, 17246-17252.	1.6	141
45	Rapid enrichment of bioactive milk proteins and iterative, consolidated protein identification by multidimensional protein identification technology. <i>Proteomics</i> , 2005, 5, 3836-3846.	1.3	23
46	Proteomics of the rat gut: Analysis of the myenteric plexus-longitudinal muscle preparation. <i>Proteomics</i> , 2005, 5, 2561-2569.	1.3	28
47	Influence of Fermentation Medium Composition on Physicochemical Surface Properties of <i>Lactobacillus acidophilus</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 8165-8173.	1.4	73
48	Proteomics in Nutrition and Health. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2005, 8, 679-696.	0.6	39
49	Design of Virtual Libraries of Umami-Tasting Molecules.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
50	Functional characterization of a salt- and thermotolerant glutaminase from <i>Lactobacillus rhamnosus</i> . <i>Enzyme and Microbial Technology</i> , 2003, 32, 862-867.	1.6	47
51	Hydrophilic Interaction Liquid Chromatography Coupled to Electrospray Mass Spectrometry of Small Polar Compounds in Food Analysis. <i>Analytical Chemistry</i> , 2003, 75, 2349-2354.	3.2	142
52	Design of Virtual Libraries of Umami-Tasting Molecules. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 1248-1258.	2.8	17
53	Soluble Forms of Toll-Like Receptor (TLR)2 Capable of Modulating TLR2 Signaling Are Present in Human Plasma and Breast Milk. <i>Journal of Immunology</i> , 2003, 171, 6680-6689.	0.4	301
54	The Direct Recruitment of BLNK to Immunoglobulin $\hat{\pm}$ Couples the B-Cell Antigen Receptor to Distal Signaling Pathways. <i>Molecular and Cellular Biology</i> , 2002, 22, 2524-2535.	1.1	120

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55	Innate Recognition of Bacteria in Human Milk Is Mediated by a Milk-Derived Highly Expressed Pattern Recognition Receptor, Soluble Cd14. <i>Journal of Experimental Medicine</i> , 2000, 191, 1807-1812.	4.2	211
56	Identification of the Autophosphorylation Sites of the <i>Xenopus laevis</i> Pim-1 Proto-oncogene-encoded Protein Kinase. <i>Journal of Biological Chemistry</i> , 1997, 272, 10514-10521.	1.6	30
57	Recombinant Gene Expression and ¹ H NMR Characteristics of the Kringle (2 + 3) Supermodule: ¹ H Spectroscopic/Functional Individuality of Plasminogen Kringle Domains. <i>Biochemistry</i> , 1996, 35, 2357-2364.	1.2	22
58	Comparison of the Specificity of Bacterially Expressed Cytoplasmic Protein-Tyrosine Phosphatases SHP and SH-PTP2 Towards Synthetic Phosphopeptide Substrates. <i>FEBS Journal</i> , 1995, 231, 673-681.	0.2	27
59	MPSA short communications. <i>The Protein Journal</i> , 1994, 13, 431-512.	1.1	0
60	Primary structure of a new actin-binding protein from human seminal plasma. <i>FEBS Journal</i> , 1991, 196, 743-750.	0.2	43
61	Omics in Nutrition and Health Research. , 0, , 11-29.		4