Angela M Zivkovic

List of Publications by Year
in descending order

72 papers	3,854 citations	147726 31 h-index	128225 60 g-index
74 all docs	74 docs citations	74 times ranked	6050 citing authors

#	Article	IF	Citations
1	Human milk glycobiome and its impact on the infant gastrointestinal microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4653-4658.	3.3	566
2	Comparative review of diets for the metabolic syndrome: implications for nonalcoholic fatty liver disease. American Journal of Clinical Nutrition, 2007, 86, 285-300.	2.2	352
3	Comprehensive Profiles of Human Milk Oligosaccharides Yield Highly Sensitive and Specific Markers for Determining Secretor Status in Lactating Mothers. Journal of Proteome Research, 2012, 11, 6124-6133.	1.8	175
4	Comparison of the Human and Bovine Milk N-Glycome via High-Performance Microfluidic Chip Liquid Chromatography and Tandem Mass Spectrometry. Journal of Proteome Research, 2012, 11, 2912-2924.	1.8	162
5	Growth and Morbidity of Gambian Infants are Influenced by Maternal Milk Oligosaccharides and Infant Gut Microbiota. Scientific Reports, 2017, 7, 40466.	1.6	152
6	Bovine Milk as a Source of Functional Oligosaccharides for Improving Human Health. Advances in Nutrition, 2011, 2, 284-289.	2.9	138
7	Effects of sample handling and storage on quantitative lipid analysis in human serum. Metabolomics, 2009, 5, 507-516.	1.4	125
8	Simultaneous and Extensive Site-specific N- and O-Glycosylation Analysis in Protein Mixtures. Journal of Proteome Research, 2011, 10, 2612-2624.	1.8	117
9	Site-specific protein glycosylation analysis with glycan isomer differentiation. Analytical and Bioanalytical Chemistry, 2012, 403, 1291-1302.	1.9	104
10	Characterization of extracellular vesicles and synthetic nanoparticles with four orthogonal singleâ€particle analysis platforms. Journal of Extracellular Vesicles, 2021, 10, e12079.	5.5	97
11	Reconstituted Lipoprotein: A Versatile Class of Biologically-Inspired Nanostructures. ACS Nano, 2011, 5, 42-57.	7.3	95
12	The microbes we eat: abundance and taxonomy of microbes consumed in a dayâ€™s worth of meals for three diet types. PeerJ, 2014, 2, e659.	0.9	85
13	Digestion of Protein in Premature and Term Infants. , 2012, 02, 112.		83
14	Serum oxylipin profiles in IgA nephropathy patients reflect kidney functional alterations. Metabolomics, 2012, 8, 1102-1113.	1.4	80
15	Individual Variation in Lipidomic Profiles of Healthy Subjects in Response to Omega-3 Fatty Acids. PLoS ONE, 2013, 8, e76575.	1.1	80
16	Human gut microbiome composition and tryptophan metabolites were changed differently by fast food and Mediterranean diet in 4 days: a pilot study. Nutrition Research, 2020, 77, 62-72.	1.3	79
17	A Guide to Diet-Microbiome Study Design. Frontiers in Nutrition, 2020, 7, 79.	1.6	78
18	Nutrigenomics and Personalized Diets: What Will They Mean for Food?. Annual Review of Food Science and Technology, 2011, 2, 97-123.	5.1	72

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19	NMR-based metabolite profiling of human milk: A pilot study of methods for investigating compositional changes during lactation. Biochemical and Biophysical Research Communications, 2016, 469, 626-632.	1.0	66
20	Lipoproteins: When size really matters. Current Opinion in Colloid and Interface Science, 2006, 11, 171-183.	3.4	62
21	Dietary omega-3 fatty acids aid in the modulation of inflammation and metabolic health. California Agriculture, 2011, 65, 106-111.	0.5	62
22	Metabolomics for assessment of nutritional status. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 501-507.	1.3	59
23	Assessing individual metabolic responsiveness to a lipid challenge using a targeted metabolomic approach. Metabolomics, 2009, 5, 209-218.	1.4	56
24	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
25	Profiling the Oxylipin and Endocannabinoid Metabolome by UPLC-ESI-MS/MS in Human Plasma to Monitor Postprandial Inflammation. PLoS ONE, 2015, 10, e0132042.	1.1	52
26	Nutritional lipidomics: Molecular metabolism, analytics, and diagnostics. Molecular Nutrition and Food Research, 2013, 57, 1319-1335.	1.5	49
27	Lactosomes: Structural and Compositional Classification of Unique Nanometer-Sized Protein Lipid Particles of Human Milk. Journal of Agricultural and Food Chemistry, 2010, 58, 11234-11242.	2.4	46
28	Nano-LCâ€“MS/MS of Glycopeptides Produced by Nonspecific Proteolysis Enables Rapid and Extensive Site-Specific Glycosylation Determination. Analytical Chemistry, 2011, 83, 5541-5547.	3.2	46
29	Addition of a dairy fraction rich in milk fat globule membrane to a high-saturated fat meal reduces the postprandial insulinaemic and inflammatory response in overweight and obese adults. Journal of Nutritional Science, 2016, 5, e14.	0.7	44
30	Whole egg consumption increases plasma choline and betaine without affecting TMAO levels or gut microbiome in overweight postmenopausal women. Nutrition Research, 2020, 78, 36-41.	1.3	36
31	Oxylipins, endocannabinoids, and related compounds in human milk: Levels and effects of storage conditions. Prostaglandins and Other Lipid Mediators, 2016, 122, 28-36.	1.0	34
32	Combined High-Density Lipoprotein Proteomic and Glycomic Profiles in Patients at Risk for Coronary Artery Disease. Journal of Proteome Research, 2015, 14, 5109-5118.	1.8	32
33	Associations of human milk oligosaccharides and bioactive proteins with infant growth and development among Malawian mother-infant dyads. American Journal of Clinical Nutrition, 2021, 113, 209-220.	2.2	32
34	Quantitative Lipid Metabolomic Changes in Alcoholic Micropigs With Fatty Liver Disease. Alcoholism: Clinical and Experimental Research, 2009, 33, 751-758.	1.4	31
35	Glycomic Analysis of High Density Lipoprotein Shows a Highly Sialylated Particle. Journal of Proteome Research, 2014, 13, 681-691.	1.8	31
36	Red Blood Cells from Individuals with Abdominal Obesity or Metabolic Abnormalities Exhibit Less Deformability upon Entering a Constriction. PLoS ONE, 2016, 11, e0156070.	1.1	30

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37	Postprandial metabolomics: A pilot mass spectrometry and NMR study of the human plasma metabolome in response to a challenge meal. Analytica Chimica Acta, 2016, 908, 121-131.	2.6	29
38	Building the bridges to bioinformatics in nutrition research. American Journal of Clinical Nutrition, 2007, 86, 1261-1269.	2.2	28
39	HDL Glycoprotein Composition and Site-Specific Glycosylation Differentiates Between Clinical Groups and Affects IL-6 Secretion in Lipopolysaccharide-Stimulated Monocytes. Scientific Reports, 2017, 7, 43728.	1.6	28
40	21st century toolkit for optimizing population health through precision nutrition. Critical Reviews in Food Science and Nutrition, 2018, 58, 3004-3015.	5.4	28
41	Targeted Measurements of O- and N-Glycopeptides Show That Proteins in High Density Lipoprotein Particles Are Enriched with Specific Glycosylation Compared to Plasma. Journal of Proteome Research, 2018, 17, 834-845.	1.8	24
42	Site-Specific Glycoprofiles of HDL-Associated ApoE are Correlated with HDL Functional Capacity and Unaffected by Short-Term Diet. Journal of Proteome Research, 2019, 18, 3977-3984.	1.8	23
43	Consumption of a high-fat meal containing cheese compared with a vegan alternative lowers postprandial C-reactive protein in overweight and obese individuals with metabolic abnormalities: a randomised controlled cross-over study. Journal of Nutritional Science, 2016, 5, e9.	0.7	22
44	The HDL lipidome is widely remodeled by fast food versus Mediterranean diet in 4Âdays. Metabolomics, 2019, 15, 114.	1.4	19
45	Whole egg consumption compared with yolk-free egg increases the cholesterol efflux capacity of high-density lipoproteins in overweight, postmenopausal women. American Journal of Clinical Nutrition, 2019, 110, 617-627.	2.2	19
46	Human Milk Oligosaccharide Compositions Illustrate Global Variations in Early Nutrition. Journal of Nutrition, 2022, 152, 1239-1253.	1.3	19
47	Changes in PTGS1 and ALOX12 Gene Expression in Peripheral Blood Mononuclear Cells Are Associated with Changes in Arachidonic Acid, Oxylipins, and Oxylipin/Fatty Acid Ratios in Response to Omega-3 Fatty Acid Supplementation. PLoS ONE, 2015, 10, e0144996.	1.1	17
48	Tolerability and safety of the intake of bovine milk oligosaccharides extracted from cheese whey in healthy human adults. Journal of Nutritional Science, 2017, 6, e6.	0.7	17
49	The role of a dairy fraction rich in milk fat globule membrane in the suppression of postprandial inflammatory markers and bone turnover in obese and overweight adults: an exploratory study. Nutrition and Metabolism, 2017, 14, 36.	1.3	16
50	Metabolic flux analysis of the neural cell glycocalyx reveals differential utilization of monosaccharides. Glycobiology, 2020, 30, 859-871.	1.3	15
51	The Potential Utility of Prebiotics to Modulate Alzheimerâ€™s Disease: A Review of the Evidence. Microorganisms, 2021, 9, 2310.	1.6	15
52	Isolation of HDL by sequential flotation ultracentrifugation followed by size exclusion chromatography reveals size-based enrichment of HDL-associated proteins. Scientific Reports, 2021, 11, 16086.	1.6	13
53	Are eggs good again? A precision nutrition perspective on the effects of eggs on cardiovascular risk, taking into account plasma lipid profiles and TMAO. Journal of Nutritional Biochemistry, 2022, 100, 108906.	1.9	11
54	Associations of Human Milk Oligosaccharides and Bioactive Proteins with Infant Morbidity and Inflammation in Malawian Mother-Infant Dyads. Current Developments in Nutrition, 2021, 5, nzab072.	0.1	9

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55	Lipid-Based Nutrient Supplementation Increases High-Density Lipoprotein (HDL) Cholesterol Efflux Capacity and Is Associated with Changes in the HDL Glycoproteome in Children. ACS Omega, 2021, 6, 32022-32031.	1.6	7
56	Glycosylation alterations in serum of Alzheimer's disease patients show widespread changes in Nâ€glycosylation of proteins related to immune function, inflammation, and lipoprotein metabolism. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2022, 14, e12309.	1.2	6
57	Multi-Omic Analyses Reveal Bifidogenic Effect and Metabolomic Shifts in Healthy Human Cohort Supplemented With a Prebiotic Dietary Fiber Blend. Frontiers in Nutrition, 0, 9, .	1.6	6
58	High-Density Lipoprotein Changes in Alzheimerâ€™s Disease Are APOE Genotype-Specific. Biomedicines, 2022, 10, 1495.	1.4	6
59	Individual variation in the metabolic syndrome: a new perspective on the debate. American Journal of Clinical Nutrition, 2007, 85, 240-241.	2.2	3
60	Glycosylation of HDL-Associated Proteins and Its Implications in Cardiovascular Disease Diagnosis, Metabolism and Function. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	3
61	Gut microbiota - nutrition and health. Nutrition Research, 2022, 100, 42-46.	1.3	1
62	Development of metabolic assessment tools: Intraâ€•and interâ€individual variation in lipid metabolism after ingestion of an n3 fatty acid pathway probe. FASEB Journal, 2007, 21, A109.	0.2	0
63	Food Intake and Obesity. Frontiers in Neuroscience, 2009, , 561-595.	0.0	0
64	Differential Oxylipid Metabolism in Response to EPA and DHA in IgA Nephropathy. FASEB Journal, 2010, 24, 210.7.	0.2	0
65	Milk glycan composition mediates gut microbiota, growth, and morbidity outcomes in Gambian infants (38.4). FASEB Journal, 2014, 28, 38.4.	0.2	0
66	Using a lipidomic approach to reveal omegaâ€3 response phenotypes (635.1). FASEB Journal, 2014, 28, 635.1.	0.2	0
67	Postâ€Prandial Changes in Bone Turnover after High Saturated Fat Challenge Meals. FASEB Journal, 2015, 29, 734.2.	0.2	0
68	Effects of Milk Fat Globule Membrane on Lymphocyte Gene Expression and Markers of Metabolism and Inflammation in the Postprandial Period. FASEB Journal, 2018, 32, 767.3.	0.2	0
69	Metabase: A New Programming Framework for Analyzing, Visualizing, and Integrating Multiâ€•Omics Data for Nutritional Intervention Studies. FASEB Journal, 2019, 33, 642.10.	0.2	0
70	Improved Method to Capture a Broader Array of High Density Lipoprotein Particles Including Those of Intestinal Origin. FASEB Journal, 2019, 33, 496.46.	0.2	0
71	Whole egg consumption increases plasma choline and betaine without affecting TMAO levels and gut microbiome in overweight postmenopausal woman. FASEB Journal, 2019, 33, 484.14.	0.2	0
72	Quantitative glycoproteomics of high-density lipoproteins. RSC Advances, 2022, 12, 18450-18456.	1.7	0