

# Michael Glei

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,684  
citations

304368

22  
h-index

288905

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2371  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of primary cancer prevention by butyrate and other products formed during gut flora-mediated fermentation of dietary fibre. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 682, 39-53.	2.4	289
2	Comet assay: an essential tool in toxicological research. <i>Archives of Toxicology</i> , 2016, 90, 2315-2336.	1.9	102
3	Butyrate is only one of several growth inhibitors produced during gut flora-mediated fermentation of dietary fibre sources. <i>British Journal of Nutrition</i> , 2003, 90, 1057-1070.	1.2	96
4	Influence of roasting conditions on health-related compounds in different nuts. <i>Food Chemistry</i> , 2015, 180, 77-85.	4.2	90
5	B-vitamins, carotenoids and $\alpha$ -tocopherol in raw and roasted nuts. <i>Food Chemistry</i> , 2017, 221, 222-227.	4.2	88
6	Assessment of DNA damage and its modulation by dietary and genetic factors in smokers using the Comet assay: a biomarker model. <i>Biomarkers</i> , 2005, 10, 203-217.	0.9	65
7	The main catechin of green tea, (âˆ’)-epigallocatechin-3-gallate (EGCG), reduces bleomycin-induced DNA damage in human leucocytes. <i>Toxicology in Vitro</i> , 2006, 20, 295-300.	1.1	62
8	In vitro uptake and toxicity studies of metal nanoparticles and metal oxide nanoparticles in human HT29 cells. <i>Archives of Toxicology</i> , 2017, 91, 3517-3527.	1.9	60
9	Initial in vitro toxicity testing of functional foods rich in catechins and anthocyanins in human cells. <i>Toxicology in Vitro</i> , 2003, 17, 723-729.	1.1	57
10	$\alpha$ -Tocopherol long-chain metabolite $\alpha$ -13 $\alpha$ -COOH affects the inflammatory response of lipopolysaccharide-activated murine RAW264.7 macrophages. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1524-1534.	1.5	53
11	Apple Polyphenols and Products Formed in the Gut Differently Inhibit Survival of Human Cell Lines Derived from Colon Adenoma (LT97) and Carcinoma (HT29). <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2892-2900.	2.4	48
12	Fermented wheat aleurone inhibits growth and induces apoptosis in human HT29 colon adenocarcinoma cells. <i>British Journal of Nutrition</i> , 2010, 103, 360-369.	1.2	43
13	In vitro fermentation of nuts results in the formation of butyrate and $\gamma$ -linolenic acid as chemopreventive metabolites. <i>European Journal of Nutrition</i> , 2016, 55, 2063-2073.	1.8	34
14	Influence of miRNA-106b and miRNA-135a on butyrate-regulated expression of p21 and Cyclin D2 in human colon adenoma cells. <i>Genes and Nutrition</i> , 2015, 10, 50.	1.2	31
15	Butyrate modulates antioxidant enzyme expression in malignant and non-malignant human colon tissues. <i>Molecular Carcinogenesis</i> , 2015, 54, 249-260.	1.3	31
16	High phosphorus intake and gut-related parameters – results of a randomized placebo-controlled human intervention study. <i>Nutrition Journal</i> , 2018, 17, 23.	1.5	31
17	In vitro fermented nuts exhibit chemopreventive effects in HT29 colon cancer cells. <i>British Journal of Nutrition</i> , 2012, 108, 1177-1186.	1.2	28
18	Impact of different roasting conditions on sensory properties and health-related compounds of oat products. <i>Food Chemistry</i> , 2020, 307, 125548.	4.2	26

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19	Influence of inorganic and organic iron compounds on parameters of cell growth and survival in human colon cells. <i>Toxicology in Vitro</i> , 2009, 23, 400-407.	1.1	25
20	Chemopreventive effects of in vitro digested and fermented bread in human colon cells. <i>European Journal of Nutrition</i> , 2012, 51, 827-839.	1.8	25
21	Î <sup>2</sup> -Carotene Reduces Bleomycin-Induced Genetic Damage in Human Lymphocytes. <i>Toxicology and Applied Pharmacology</i> , 2002, 179, 65-73.	1.3	24
22	Fermentation Supernatants of Wheat ( <i>Triticum aestivum</i> L.) Aleurone Beneficially Modulate Cancer Progression in Human Colon Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2001-2007.	2.4	24
23	Consequences of a high phosphorus intake on mineral metabolism and bone remodeling in dependence of calcium intake in healthy subjects – a randomized placebo-controlled human intervention study. <i>Nutrition Journal</i> , 2015, 15, 7.	1.5	23
24	Habitual Intakes, Food Sources and Excretions of Phosphorus and Calcium in Three German Study Collectives. <i>Nutrients</i> , 2018, 10, 171.	1.7	23
25	Impact of different roasting conditions on chemical composition, sensory quality and physicochemical properties of waxy-barley products. <i>Food and Function</i> , 2019, 10, 5436-5445.	2.1	21
26	Cellular Uptake and Toxicological Effects of Differently Sized Zinc Oxide Nanoparticles in Intestinal Cells. <i>Toxics</i> , 2021, 9, 96.	1.6	20
27	Olive Oil Extracts and Oleic Acid Attenuate the LPS-Induced Inflammatory Response in Murine RAW264.7 Macrophages but Induce the Release of Prostaglandin E2. <i>Nutrients</i> , 2021, 13, 4437.	1.7	20
28	Human colon cell culture models of different transformation stages to assess conjugated linoleic acid and conjugated linolenic acid metabolism: Challenges and chances. <i>Toxicology in Vitro</i> , 2012, 26, 985-992.	1.1	18
29	Nutrient Composition of Different Hazelnut Cultivars Grown in Germany. <i>Foods</i> , 2020, 9, 1596.	1.9	17
30	Study on chemopreventive effects of raw and roasted Î <sup>2</sup> -glucan-rich waxy winter barley using an <i>in vitro</i> human colon digestion model. <i>Food and Function</i> , 2020, 11, 2626-2638.	2.1	17
31	Comparative study of colorectal health related compounds in different types of bread: Analysis of bread samples pre and post digestion in a batch fermentation model of the human intestine. <i>Food Chemistry</i> , 2011, 125, 1202-1212.	4.2	16
32	<i>In vitro</i> fermented raw and roasted walnuts induce expression of CAT and GSTT2 genes, growth inhibition, and apoptosis in LT97 colon adenoma cells. <i>Nutrition Research</i> , 2017, 47, 72-80.	1.3	16
33	Modification of an <i>in vitro</i> model simulating the whole digestive process to investigate cellular endpoints of chemoprevention. <i>British Journal of Nutrition</i> , 2011, 105, 678-687.	1.2	15
34	Chemopreventive potential of <i>in vitro</i> fermented nuts in LT97 colon adenoma and primary epithelial colon cells. <i>Molecular Carcinogenesis</i> , 2017, 56, 1461-1471.	1.3	15
35	Analysis of DNA Damage and Repair by Comet Fluorescence In Situ Hybridization (Comet-FISH). <i>Methods in Molecular Biology</i> , 2014, 1094, 39-48.	0.4	13
36	Chemopreventive Potential of Raw and Roasted Pistachios Regarding Colon Carcinogenesis. <i>Nutrients</i> , 2017, 9, 1368.	1.7	13

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37	Chemopreventive effects of raw and roasted oat flakes after <i>in vitro</i> fermentation with human faecal microbiota. <i>International Journal of Food Sciences and Nutrition</i> , 2021, 72, 57-69.	1.3	11
38	Detection of Cyto- and Genotoxicity of Rod-Shaped Gold Nanoparticles in Human Blood Lymphocytes Using Comet-FISH. <i>Cytologia</i> , 2015, 80, 173-181.	0.2	10
39	Calcium and Phosphate Metabolism, Blood Lipids and Intestinal Sterols in Human Intervention Studies Using Different Sources of Phosphate as Supplements – Pooled Results and Literature Search. <i>Nutrients</i> , 2018, 10, 936.	1.7	10
40	Chemopreventive Potential of In Vitro Fermented Raw and Roasted Hazelnuts in LT97 Colon Adenoma Cells. <i>Anticancer Research</i> , 2018, 38, 83-93.	0.5	10
41	In vitro cytotoxicity and genotoxicity studies of gold nanoparticles-mediated photo-thermal therapy versus 5-fluorouracil. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	9
42	Impact of ultrasonication on the delivered dose of metal oxide particle dispersions in vitro. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125026.	2.3	9
43	Insulin-IGF signaling affects cell transformation in the BALB/c 3T3 cell model. <i>Scientific Reports</i> , 2016, 6, 37120.	1.6	8
44	In Vitro Digested Nut Oils Attenuate the Lipopolysaccharide-Induced Inflammatory Response in Macrophages. <i>Nutrients</i> , 2019, 11, 503.	1.7	7
45	Impact of in vitro digested zinc oxide nanoparticles on intestinal model systems. <i>Particle and Fibre Toxicology</i> , 2022, 19, .	2.8	7
46	Fermentation profile, cholesterol-reducing properties and chemopreventive potential of $\beta$ -glucans from <i>Levilactobacillus brevis</i> and <i>Pediococcus clausenii</i> – a comparative study with $\beta$ -glucans from different sources. <i>Food and Function</i> , 2021, 12, 10615-10631.	2.1	6
47	Use of the $\beta$ -Glucan-Producing Lactic Acid Bacteria Strains <i>Levilactobacillus brevis</i> and <i>Pediococcus clausenii</i> for Sourdough Fermentation – Chemical Characterization and Chemopreventive Potential of In Situ-Enriched Wheat and Rye Sourdoughs and Breads. <i>Nutrients</i> , 2022, 14, 1510.	1.7	5
48	Impact of pH changes on metal oxide nanoparticle behaviour during artificial digestion. <i>Food and Function</i> , 2021, 12, 1452-1457.	2.1	3
49	Influence of roasting on the chemopreventive potential of in vitro fermented almonds in LT97 colon adenoma cells. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 52-63.	1.3	3
50	Impact of processing degree on fermentation profile and chemopreventive effects of oat and waxy barley in LT97 colon adenoma cells. <i>European Food Research and Technology</i> , 2021, 247, 569-578.	1.6	2
51	Effects of Zinc Oxide Nanoparticles on Model Systems of the Intestinal Barrier. <i>Toxics</i> , 2022, 10, 49.	1.6	2
52	Artificial Digestion of Polydisperse Copper Oxide Nanoparticles: Investigation of Effects on the Human In Vitro Intestinal Co-Culture Model Caco-2/HT29-MTX. <i>Toxics</i> , 2022, 10, 130.	1.6	2
53	Thermal Processing has no Impact on Chemopreventive Effects of Oat and Barley Kernels in LT97 Colon Adenoma Cells. <i>Nutrition and Cancer</i> , 2021, 73, 2708-2719.	0.9	1
54	Disturbances of the mineral incorporation in various species of mice and shrews in the emission area of a phosphate plant. <i>Biological Trace Element Research</i> , 1997, 60, 39-50.	1.9	0