

# Clarissa Gerhauser

## List of Publications by Citations

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90  
papers

6,228  
citations

42  
h-index

78  
g-index

98  
ext. papers

6,910  
ext. citations

6.7  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
90	Nuclear factor kappa B is a molecular target for sulforaphane-mediated anti-inflammatory mechanisms. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 32008-15	5.4	479
89	Glucosinolates in Brassica vegetables: the influence of the food supply chain on intake, bioavailability and human health. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53 Suppl 2, S219	5.9	419
88	Beer constituents as potential cancer chemopreventive agents. <i>European Journal of Cancer</i> , <b>2005</b> , 41, 1941-54	7.5	304
87	Cancer chemopreventive activity of Xanthohumol, a natural product derived from hop. <i>Molecular Cancer Therapeutics</i> , <b>2002</b> , 1, 959-69	6.1	281
86	Integrative genomic analyses reveal an androgen-driven somatic alteration landscape in early-onset prostate cancer. <i>Cancer Cell</i> , <b>2013</b> , 23, 159-70	24.3	259
85	Genomic deletion of PTEN is associated with tumor progression and early PSA recurrence in ERG fusion-positive and fusion-negative prostate cancer. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 401-12	5.8	256
84	Mechanism-based in vitro screening of potential cancer chemopreventive agents. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2003</b> , 523-524, 163-72	3.3	240
83	Quantitative comparison of DNA methylation assays for biomarker development and clinical applications. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 726-37	44.5	204
82	Cancer chemopreventive potential of apples, apple juice, and apple components. <i>Planta Medica</i> , <b>2008</b> , 74, 1608-24	3.1	192
81	Intratumor DNA methylation heterogeneity reflects clonal evolution in aggressive prostate cancer. <i>Cell Reports</i> , <b>2014</b> , 8, 798-806	10.6	177
80	Cancer chemopreventive activity of brassinin, a phytoalexin from cabbage. <i>Carcinogenesis</i> , <b>1995</b> , 16, 399-404	4.0	175
79	DNMT and HDAC inhibitors induce cryptic transcription start sites encoded in long terminal repeats. <i>Nature Genetics</i> , <b>2017</b> , 49, 1052-1060	36.3	157
78	Amide analogues of trichostatin A as inhibitors of histone deacetylase and inducers of terminal cell differentiation. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 4669-79	8.3	156
77	Inhibition of angiogenesis and endothelial cell functions are novel sulforaphane-mediated mechanisms in chemoprevention. <i>Molecular Cancer Therapeutics</i> , <b>2006</b> , 5, 575-85	6.1	150
76	Cancer chemoprevention by targeting the epigenome. <i>Current Drug Targets</i> , <b>2011</b> , 12, 1925-56	3	140
75	Rotenoids mediate potent cancer chemopreventive activity through transcriptional regulation of ornithine decarboxylase. <i>Nature Medicine</i> , <b>1995</b> , 1, 260-6	50.5	125
74	Cancer chemoprevention and nutriepigenetics: state of the art and future challenges. <i>Topics in Current Chemistry</i> , <b>2013</b> , 329, 73-132		119

73	Xanthohumol induces apoptosis in cultured 40-16 human colon cancer cells by activation of the death receptor- and mitochondrial pathway. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 837-43	5.9	115
72	Pan-cancer patterns of DNA methylation. <i>Genome Medicine</i> , <b>2014</b> , 6, 66	14.4	107
71	Broad spectrum anti-infective potential of xanthohumol from hop ( <i>Humulus lupulus</i> L.) in comparison with activities of other hop constituents and xanthohumol metabolites. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 827-31	5.9	98
70	Molecular Evolution of Early-Onset Prostate Cancer Identifies Molecular Risk Markers and Clinical Trajectories. <i>Cancer Cell</i> , <b>2018</b> , 34, 996-1011.e8	24.3	89
69	Potential cancer chemopreventive in vitro activities of monomeric xanthone derivatives from the marine algicolous fungus <i>Monodictys putredinis</i> . <i>Journal of Natural Products</i> , <b>2007</b> , 70, 353-60	4.9	85
68	Comparison of growth inhibition profiles and mechanisms of apoptosis induction in human colon cancer cell lines by isothiocyanates and indoles from Brassicaceae. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2006</b> , 599, 76-87	3.3	84
67	Activity-guided isolation of constituents of <i>Tephrosia purpurea</i> with the potential to induce the phase II enzyme, quinone reductase. <i>Journal of Natural Products</i> , <b>1997</b> , 60, 869-73	4.9	82
66	Xanthohumol metabolites in faeces of rats. <i>Phytochemistry</i> , <b>2004</b> , 65, 561-70	4	82
65	In vitro chemopreventive potential of fucophloretols from the brown alga <i>Fucus vesiculosus</i> L. by anti-oxidant activity and inhibition of selected cytochrome P450 enzymes. <i>Phytochemistry</i> , <b>2010</b> , 71, 221-9	4	76
64	Genome-wide methylation screen in low-grade breast cancer identifies novel epigenetically altered genes as potential biomarkers for tumor diagnosis. <i>FASEB Journal</i> , <b>2012</b> , 26, 4937-50	0.9	72
63	Xanthohumol-induced transient superoxide anion radical formation triggers cancer cells into apoptosis via a mitochondria-mediated mechanism. <i>FASEB Journal</i> , <b>2010</b> , 24, 2938-50	0.9	71
62	Impact of soy isoflavones on the epigenome in cancer prevention. <i>Nutrients</i> , <b>2014</b> , 6, 4218-72	6.7	68
61	Structure-activity relationships on phenylalanine-containing inhibitors of histone deacetylase: in vitro enzyme inhibition, induction of differentiation, and inhibition of proliferation in Friend leukemic cells. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 3296-309	8.3	62
60	Induction of Quinone Reductase by Withanolides Isolated from <i>Physalis philadelphica</i> (Tomatillos). <i>Journal of Agricultural and Food Chemistry</i> , <b>1997</b> , 45, 3771-3777	5.7	61
59	Epigenetic impact of dietary isothiocyanates in cancer chemoprevention. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2013</b> , 16, 405-10	3.8	60
58	Quantitative combination effects between sulforaphane and 3,3'-diindolylmethane on proliferation of human colon cancer cells in vitro. <i>Carcinogenesis</i> , <b>2007</b> , 28, 1471-7	4.6	59
57	Cancer chemopreventive in vitro activities of isoflavones isolated from <i>Iris germanica</i> . <i>Planta Medica</i> , <b>2003</b> , 69, 15-20	3.1	54
56	Time-dependent modulation of thioredoxin reductase activity might contribute to sulforaphane-mediated inhibition of NF-kappaB binding to DNA. <i>Antioxidants and Redox Signaling</i> , <b>2005</b> , 7, 1601-11	8.4	52

55	Anti-inflammatory acylphloroglucinol derivatives from Hops ( <i>Humulus lupulus</i> ). <i>Journal of Natural Products</i> , <b>2005</b> , 68, 1545-8	4.9	49
54	Isolation and potential cancer chemopreventive activities of phenolic compounds of beer. <i>Phytochemistry Reviews</i> , <b>2002</b> , 1, 369-377	7.7	45
53	A safety study of oral xanthohumol administration and its influence on fertility in Sprague Dawley rats. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 861-7	5.9	45
52	Sulforaphane counteracts aggressiveness of pancreatic cancer driven by dysregulated Cx43-mediated gap junctional intercellular communication. <i>Oncotarget</i> , <b>2014</b> , 5, 1621-34	3.3	45
51	Impact of dietary gut microbial metabolites on the epigenome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 373,	5.8	43
50	Epigenetic silencing of triple negative breast cancer hallmarks by Withaferin A. <i>Oncotarget</i> , <b>2017</b> , 8, 40434-40453	3.5	43
49	Inhibition of endothelial cell functions by novel potential cancer chemopreventive agents. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 325, 287-95	3.4	42
48	HPLC-based activity profiling of <i>Salvia miltiorrhiza</i> for MAO A and iNOS inhibitory activities. <i>Planta Medica</i> , <b>2004</b> , 70, 909-13	3.1	39
47	Monodictyochromes A and B, dimeric xanthone derivatives from the marine algicolous fungus <i>Monodictys putredinis</i> . <i>Journal of Natural Products</i> , <b>2008</b> , 71, 1793-9	4.9	37
46	Enhancing the anti-inflammatory activity of chalcones by tuning the Michael acceptor site. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 3040-7	3.9	36
45	Intratumor heterogeneity in epigenetic patterns. <i>Seminars in Cancer Biology</i> , <b>2018</b> , 51, 12-21	12.7	34
44	In vitro phase II metabolism of xanthohumol by human UDP-glucuronosyltransferases and sulfotransferases. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 851-6	5.9	34
43	Random forest-based modelling to detect biomarkers for prostate cancer progression. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 148	7.7	32
42	Identification of 3-hydroxy-beta-damascone and related carotenoid-derived aroma compounds as novel potent inducers of Nrf2-mediated phase 2 response with concomitant anti-inflammatory activity. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1237-44	5.9	31
41	Biphasic modulation of cell proliferation by sulforaphane at physiologically relevant exposure times in a human colon cancer cell line. <i>Molecular Nutrition and Food Research</i> , <b>2007</b> , 51, 977-84	5.9	29
40	New lanostanoids from <i>Ganoderma lucidum</i> that induce NAD(P)H:quinone oxidoreductase in cultured hepalcic7 murine hepatoma cells. <i>Planta Medica</i> , <b>2000</b> , 66, 681-4	3.1	28
39	Noduliprevenone: a novel heterodimeric chromanone with cancer chemopreventive potential. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9860-3	4.8	27
38	Dose-dependent effects of isoflavone exposure during early lifetime on the rat mammary gland: Studies on estrogen sensitivity, isoflavone metabolism, and DNA methylation. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 270-83	5.9	25

37	A systems biology network analysis of nutri(epi)genomic changes in endothelial cells exposed to epicatechin metabolites. <i>Scientific Reports</i> , <b>2018</b> , 8, 15487	4.9	25
36	One-Pot Synthesis of Benzopyran-4-ones with Cancer Preventive and Therapeutic Potential. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 965-975	3.2	24
35	Structure of tyrolobibenzyl D and biological activity of tyrolobibenzyls from <i>Scorzonera humilis</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2002</b> , 57, 614-9	1.7	24
34	Identification of differentially methylated BRCA1 and CRISP2 DNA regions as blood surrogate markers for cardiovascular disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 5120	4.9	23
33	Role of lncRNAs in prostate cancer development and progression. <i>Biological Chemistry</i> , <b>2014</b> , 395, 1275-20	4.0	22
32	Xanthohumol, a prenylated chalcone from hops, modulates hepatic expression of genes involved in thyroid hormone distribution and metabolism. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54 Suppl 2, S225-35	5.9	22
31	Xanthohumol does not affect the composition of rat intestinal microbiota. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 868-73	5.9	21
30	Synthesis of Resveratrol Derivatives and In Vitro Screening for Potential Cancer Chemopreventive Activities. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 414-27	4.3	20
29	Modulation of Adipocyte Differentiation and Proadipogenic Gene Expression by Sulforaphane, Genistein, and Docosahexaenoic Acid as a First Step to Counteract Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 1617202	6.7	20
28	Suppression of indoleamine-2,3-dioxygenase 1 expression by promoter hypermethylation in ER-positive breast cancer. <i>Oncotmmunology</i> , <b>2017</b> , 6, e1274477	7.2	17
27	Bryodin, a single-chain ribosome-inactivating protein, selectively inhibits the growth of HIV-1-infected cells and reduces HIV-1 production. <i>Research in Experimental Medicine</i> , <b>1993</b> , 193, 1-12		17
26	A click chemistry approach identifies target proteins of xanthohumol. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 737-48	5.9	15
25	Inhibitory effect of munetone, an isoflavonoid, on 12-O-tetradecanoylphorbol 13-acetate-induced ornithine decarboxylase activity. <i>Cancer Letters</i> , <b>1999</b> , 136, 59-65	9.9	11
24	Fractionation of polyphenol-enriched apple juice extracts to identify constituents with cancer chemopreventive potential. <i>Molecular Nutrition and Food Research</i> , <b>2008</b> , 52 Suppl 1, S28-44	5.9	10
23	Acute Exercise Increases the Expression of KIR2DS4 by Promoter Demethylation in NK Cells. <i>International Journal of Sports Medicine</i> , <b>2019</b> , 40, 62-70	3.6	10
22	Phenolic Beer Compounds to Prevent Cancer <b>2009</b> , 669-684		8
21	Effect of inhibitors of histone deacetylase on the induction of cell differentiation in murine and human erythroleukemia cell lines. <i>Anti-Cancer Drugs</i> , <b>2005</b> , 16, 635-43	2.4	8
20	Anti-proliferative and Apoptosis-Inducing Properties of Xanthohumol, a Prenylated Chalcone from Hops ( <i>Humulus lupulus</i> L.) <b>2012</b> , 69-93		6

19	Substituted purine and 7-deazapurine compounds as modulators of epigenetic enzymes: a patent evaluation (WO2012075381). <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 537-43	6.8	4
18	Epigenetics, Plant (Poly)phenolics, and Cancer Prevention <b>2014</b> , 143-207		4
17	Flavonoide und andere pflanzliche Wirkstoffe - Was hat praktische Relevanz? Sollen wir unser Essverhalten ändern? -. <i>Aktuelle Ernährungsmedizin Klinik Und Praxis</i> , <b>2001</b> , 26, 137-143	0.3	4
16	Cancer Chemopreventive Potential of Humulones and Isohumulones (Hops and Iso-acids): Induction of NAD(P)H:Quinone Reductase as a Novel Mechanism. <i>Natural Product Communications</i> , <b>2008</b> , 3, 1934578X0800301	0.9	3
15	Genome-Wide DNA Methylation Profiling in Dietary Intervention Studies: a User Perspective. <i>Current Pharmacology Reports</i> , <b>2015</b> , 1, 31-45	5.5	2
14	LiSIs: An Online Scientific Workflow System for Virtual Screening. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2015</b> , 18, 281-95	1.3	2
13	The Chemopreventive Power of Isothiocyanates <b>2020</b> , 271-318		2
12	Techniques for Assessing Anti-cancer Effects of Beer <b>2009</b> , 901-910		1
11	Acylphloroglucinol Derivatives from Hops as Anti-inflammatory Agents <b>2009</b> , 753-757		1
10	Random forest-based modelling to detect biomarkers for prostate cancer progression		1
9	Molecular Mechanisms of Cancer Induction and Chemoprevention 1-19		0
8	Impact of soy isoflavones on the epigenome. <i>Toxicology Letters</i> , <b>2016</b> , 258, S5	4.4	
7	Internationales Krebsgenomkonsortium (ICGC). <i>Medizinische Genetik</i> , <b>2016</b> , 28, 416-423	0.5	
6	Präventive Onkologie Das Endziel der Bekämpfung bösartiger Erkrankungen <b>2007</b> , 57-68		
5	Combination Cancer Chemoprevention by Targeting the Epigenome <b>2020</b> , 577-612		
4	Cancer Risk Factors and Prevention <b>1998</b> , 57-88		
3	Krebsrisikofaktoren und Krebsprävention <b>1998</b> , 57-90		
2	Selected Flavonoids 509-545		

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