

Margit Cichna-Markl

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,588
citations

236833

25
h-index

345118

36
g-index

65
all docs

65
docs citations

65
times ranked

1932
citing authors

#	ARTICLE	IF	CITATIONS
1	High resolution melting (HRM) analysis of DNA – Its role and potential in food analysis. Food Chemistry, 2014, 158, 245-254.	4.2	135
2	Sample preparation including sol-gel immunoaffinity chromatography for determination of bisphenol A in canned beverages, fruits and vegetables. Journal of Chromatography A, 2005, 1062, 189-198.	1.8	54
3	Comparison of protocols for DNA extraction from long-term preserved formalin fixed tissues. Analytical Biochemistry, 2013, 439, 152-160.	1.1	51
4	Determination of bisphenol A in wine by sol-gel immunoaffinity chromatography, HPLC and fluorescence detection. Food Additives and Contaminants, 2006, 23, 1227-1235.	2.0	49
5	Development and Validation of a Duplex Real-Time PCR Method To Simultaneously Detect Potentially Allergenic Sesame and Hazelnut in Food. Journal of Agricultural and Food Chemistry, 2009, 57, 2126-2134.	2.4	49
6	Impact of ozonation on the genotoxic activity of tertiary treated municipal wastewater. Water Research, 2011, 45, 3681-3691.	5.3	48
7	An Organometallic Gold(I) Bis-heterocyclic Carbene Complex with Multimodal Activity in Ovarian Cancer Cells. Chemistry - A European Journal, 2020, 26, 15528-15537.	1.7	42
8	On-line coupling of sol-gel-generated immunoaffinity columns with high-performance liquid chromatography. Journal of Chromatography A, 2001, 919, 51-58.	1.8	41
9	Development and validation of a TaqMan real-time PCR assay for the identification and quantification of roe deer (<i>Capreolus capreolus</i>) in food to detect food adulteration. Food Chemistry, 2015, 178, 319-326.	4.2	41
10	Selective Sample Cleanup by Reusable Sol-gel Immunoaffinity Columns for Determination of Deoxynivalenol in Food and Feed Samples. Analytical Chemistry, 2007, 79, 710-717.	3.2	40
11	Sample clean-up with sol-gel enzyme and immunoaffinity columns for the determination of bisphenol A in human urine. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 850, 361-369.	1.2	40
12	Applicability of HIN-1, MGMT and RASSF1A promoter methylation as biomarkers for detecting field cancerization in breast cancer. Breast Cancer Research, 2015, 17, 125.	2.2	39
13	Development of a DNA metabarcoding method for the identification of fifteen mammalian and six poultry species in food. Food Chemistry, 2019, 272, 354-361.	4.2	39
14	Determination of bisphenol A in canned fish by sol-gel immunoaffinity chromatography, HPLC and fluorescence detection. European Food Research and Technology, 2007, 224, 629-634.	1.6	38
15	Determination of deoxynivalenol in organic and conventional food and feed by sol-gel immunoaffinity chromatography and HPLC-UV detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 187-193.	1.2	36
16	Development of a Real-Time PCR Method To Detect Potentially Allergenic Sesame (<i>Sesamum</i>) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 1	2.4	34
17	Authenticity control of game meat products – A single method to detect and quantify adulteration of fallow deer (<i>Dama dama</i>), red deer (<i>Cervus elaphus</i>) and sika deer (<i>Cervus nippon</i>) by real-time PCR. Food Chemistry, 2015, 170, 508-517.	4.2	34
18	Development and Validation of an Indirect Competitive Enzyme Linked-Immunosorbent Assay for the Determination of Potentially Allergenic Sesame (<i>Sesamum indicum</i>) in Food. Journal of Agricultural and Food Chemistry, 2010, 58, 1434-1441.	2.4	32

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19	Selective sample preparation with bioaffinity columns prepared by the sol-gel method. Journal of Chromatography A, 2006, 1124, 167-180.	1.8	31
20	Development and validation of a sandwich ELISA for the determination of potentially allergenic sesame (<i>Sesamum indicum</i>) in food. Analytical and Bioanalytical Chemistry, 2010, 398, 1735-1745.	1.9	31
21	Promoter methylation patterns of <i>ABCB1</i> , <i>ABCC1</i> and <i>ABCG2</i> in human cancer cell lines, multidrug-resistant cell models and tumor, tumor-adjacent and tumor-distant tissues from breast cancer patients. Oncotarget, 2016, 7, 73347-73369.	0.8	31
22	Determination of fifteen nucleotides in cultured human mononuclear blood and umbilical vein endothelial cells by solvent generated ion-pair chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 787, 381-391.	1.2	29
23	Development and validation of a sandwich ELISA for the determination of potentially allergenic lupine in food. Food Chemistry, 2012, 130, 759-766.	4.2	29
24	A novel reference real-time PCR assay for the relative quantification of (game) meat species in raw and heat-processed food. Food Control, 2016, 70, 392-400.	2.8	28
25	Development of a selective sample clean-up method based on immuno-ultrafiltration for the determination of deoxynivalenol in maize. Journal of Chromatography A, 2008, 1202, 111-117.	1.8	27
26	Hypermethylation of CDKN2A exon 2 in tumor, tumor-adjacent and tumor-distant tissues from breast cancer patients. BMC Cancer, 2017, 17, 260.	1.1	27
27	Time-dependent shotgun proteomics revealed distinct effects of an organoruthenium prodrug and its activation product on colon carcinoma cells. Metallomics, 2019, 11, 118-127.	1.0	26
28	Co-isolation of deoxynivalenol and zearalenone with sol-gel immunoaffinity columns for their determination in wheat and wheat products. Journal of Chromatography A, 2009, 1216, 5828-5837.	1.8	25
29	Development and validation of a fallow deer (<i>Dama dama</i>)-specific TaqMan real-time PCR assay for the detection of food adulteration. Food Chemistry, 2018, 243, 82-90.	4.2	25
30	Development and validation of a novel real-time PCR method for the detection of celery (<i>Apium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	4.2	24
31	Development and validation of a real-time PCR method for the simultaneous detection of black mustard (<i>Brassica nigra</i>) and brown mustard (<i>Brassica juncea</i>) in food. Food Chemistry, 2013, 138, 348-355.	4.2	23
32	Duplex real-time PCR assay for the simultaneous determination of roe deer (<i>Capreolus capreolus</i>) and deer (sum of fallow deer, red deer and sika deer) content in game meat products. Food Control, 2015, 57, 370-376.	2.8	23
33	Tetraplex real-time PCR assay for the simultaneous identification and quantification of roe deer, red deer, fallow deer and sika deer for deer meat authentication. Food Chemistry, 2018, 269, 486-494.	4.2	23
34	Aberrant DNA Methylation of ABC Transporters in Cancer. Cells, 2020, 9, 2281.	1.8	23
35	Validation and comparison of a sandwich ELISA, two competitive ELISAs and a real-time PCR method for the detection of lupine in food. Food Chemistry, 2013, 141, 407-418.	4.2	22
36	Sika deer (<i>Cervus nippon</i>)-specific real-time PCR method to detect fraudulent labelling of meat and meat products. Scientific Reports, 2018, 8, 7236.	1.6	21

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37	Red deer (<i>Cervus elaphus</i>)-specific real-time PCR assay for the detection of food adulteration. <i>Food Control</i> , 2018, 89, 157-166.	2.8	20
38	Immuno-ultrafiltration as a new strategy in sample clean-up of aflatoxins. <i>Journal of Separation Science</i> , 2009, 32, 1729-1739.	1.3	19
39	Acquired nintedanib resistance in FGFR1-driven small cell lung cancer: role of endothelin-A receptor-activated ABCB1 expression. <i>Oncotarget</i> , 2016, 7, 50161-50179.	0.8	19
40	Development and Validation of a Real-Time PCR Method for the Detection of White Mustard (<i>Sinapis</i>) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.4	18
41	Determination of 18 nucleobases, nucleosides and nucleotides in human peripheral blood mononuclear cells by isocratic solvent-generated ion-pair chromatography. <i>Analytica Chimica Acta</i> , 2003, 481, 245-253.	2.6	15
42	Identification of Mammalian and Poultry Species in Food and Pet Food Samples Using 16S rDNA Metabarcoding. <i>Foods</i> , 2021, 10, 2875.	1.9	15
43	Determination of ochratoxin A in grains by immuno-ultrafiltration and HPLC-fluorescence detection after postcolumn derivatisation in an electrochemical cell. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2615-2622.	1.9	14
44	Sample clean-up by sol-gel immunoaffinity chromatography for the determination of bisphenol A in food and urine. <i>Methods</i> , 2012, 56, 186-191.	1.9	14
45	Sample clean-up by sol-gel immunoaffinity chromatography for determination of chloramphenicol in shrimp. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 41, 175-183.	1.1	13
46	Development and validation of a duplex real-time PCR method for the simultaneous detection of celery and white mustard in food. <i>Food Chemistry</i> , 2013, 141, 229-235.	4.2	13
47	Validation and comparison of two commercial ELISA kits and three in-house developed real-time PCR assays for the detection of potentially allergenic mustard in food. <i>Food Chemistry</i> , 2015, 174, 75-81.	4.2	12
48	Development and validation of a duplex real-time PCR assay for the simultaneous detection of three mustard species (<i>Sinapis alba</i> , <i>Brassica nigra</i> and <i>Brassica juncea</i>) in food. <i>Food Chemistry</i> , 2014, 153, 66-73.	4.2	11
49	Differentiation between wild boar and domestic pig in food by targeting two gene loci by real-time PCR. <i>Scientific Reports</i> , 2019, 9, 9221.	1.6	10
50	Development and Validation of Two Competitive ELISAs for the Detection of Potentially Allergenic Lupine (<i>Lupinus</i> Species) in Food. <i>Food Analytical Methods</i> , 2013, 6, 248-257.	1.3	9
51	Development and validation of a triplex real-time PCR assay for the simultaneous detection of three mustard species and three celery varieties in food. <i>Food Chemistry</i> , 2015, 184, 46-56.	4.2	9
52	Hippocampal GluA2 and GluA4 protein but not corresponding mRNA and promoter methylation levels are modulated at retrieval in spatial learning of the rat. <i>Amino Acids</i> , 2017, 49, 117-127.	1.2	9
53	Development of a DNA Metabarcoding Method for the Identification of Bivalve Species in Seafood Products. <i>Foods</i> , 2021, 10, 2618.	1.9	9
54	Interlaboratory Validation of a DNA Metabarcoding Assay for Mammalian and Poultry Species to Detect Food Adulteration. <i>Foods</i> , 2022, 11, 1108.	1.9	9

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55	Chronic arsenic trioxide exposure leads to enhanced aggressiveness via Met oncogene addiction in cancer cells. <i>Oncotarget</i> , 2016, 7, 27379-27393.	0.8	8
56	Sol-gel immunoaffinity chromatography for the clean up of ochratoxin A contaminated grains. <i>Journal of Chromatography A</i> , 2011, 1218, 7627-7633.	1.8	7
57	Analysis of Phytoestrogens in Foods Using Sol-Gel Enzyme Columns for Sample Preparation. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 35, 211-220.	1.1	5
58	Applicability of a duplex and four singleplex real-time PCR assays for the qualitative and quantitative determination of wild boar and domestic pig meat in processed food products. <i>Scientific Reports</i> , 2020, 10, 17243.	1.6	5
59	Development of a New Clean-up Method for the Determination of 5-methyl-tetrahydrofolate in Milk Samples Using a Sol-Gel Γ^2 -Lactoglobulin Column. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 36, 275-283.	1.1	3
60	Doublecortin and IGF-1R protein levels are reduced in spite of unchanged DNA methylation in the hippocampus of aged rats. <i>Amino Acids</i> , 2020, 52, 543-553.	1.2	3
61	Real-Time PCR Assay for the Detection and Quantification of Roe Deer to Detect Food Adulteration – Interlaboratory Validation Involving Laboratories in Austria, Germany, and Switzerland. <i>Foods</i> , 2021, 10, 2645.	1.9	3
62	Discrimination between 34 of 36 Possible Combinations of Three C>T SNP Genotypes in the MGMT Promoter by High Resolution Melting Analysis Coupled with Pyrosequencing Using A Single Primer Set. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12527.	1.8	2
63	Design of Mismatch Primers to Identify and Differentiate Closely Related (Sub)Species: Application to the Authentication of Meat Products. <i>Methods in Molecular Biology</i> , 2022, 2392, 65-82.	0.4	2
64	Expression, Purification and Crystallization of Wheat Profilin (Tri a 12). <i>Croatica Chemica Acta</i> , 2011, 84, 419-422.	0.1	0