

Chris M Maragos

List of Publications by Citations

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104
papers

5,069
citations

38
h-index

70
g-index

108
ext. papers

5,397
ext. citations

3.9
avg, IF

5.63
L-index

#	Paper	IF	Citations
104	DNA deaminating ability and genotoxicity of nitric oxide and its progenitors. <i>Science</i> , 1991 , 254, 1001-3	33.3	1098
103	Complexes of .NO with nucleophiles as agents for the controlled biological release of nitric oxide. Vasorelaxant effects. <i>Journal of Medicinal Chemistry</i> , 1991 , 34, 3242-7	8.3	674
102	Fusarium species from nepalese rice and production of mycotoxins and gibberellic acid by selected species. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 1020-5	4.8	150
101	Rapid and advanced tools for mycotoxin analysis: a review. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010 , 27, 688-700	3.2	113
100	Occurrence of Fusarium species and mycotoxins in nepalese maize and wheat and the effect of traditional processing methods on mycotoxin levels. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 1377-83	5.7	108
99	QTL Mapping for Fusarium Ear Rot and Fumonisin Contamination Resistance in Two Maize Populations. <i>Crop Science</i> , 2006 , 46, 1734-1743	2.4	101
98	Nitric oxide/nucleophile complexes inhibit the in vitro proliferation of A375 melanoma cells via nitric oxide release. <i>Cancer Research</i> , 1993 , 53, 564-8	10.1	100
97	Indirect competitive immunoassay for detection of aflatoxin B1 in corn and nut products using the array biosensor. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 2298-305	11.8	97
96	Heritabilities and Correlations of Fusarium Ear Rot Resistance and Fumonisin Contamination Resistance in Two Maize Populations. <i>Crop Science</i> , 2006 , 46, 353-361	2.4	88
95	Rapid fluorescence polarization immunoassay for the mycotoxin deoxynivalenol in wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 1827-32	5.7	84
94	Sources of resistance to fumonisin accumulation in grain and fusarium ear and kernel rot of corn. <i>Phytopathology</i> , 2004 , 94, 251-60	3.8	80
93	Developments in mycotoxin analysis: an update for 2010-2011. <i>World Mycotoxin Journal</i> , 2012 , 5, 3-30	2.5	71
92	Fluorescence polarization as a means for determination of fumonisins in maize. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 596-602	5.7	71
91	Evaluation of Inoculation Techniques for Fusarium Ear Rot and Fumonisin Contamination of Corn. <i>Plant Disease</i> , 2003 , 87, 147-153	1.5	69
90	Mechanism of vascular relaxation induced by the nitric oxide (NO)/nucleophile complexes, a new class of NO-based vasodilators. <i>Journal of Cardiovascular Pharmacology</i> , 1993 , 21, 670-6	3.1	69
89	Zearalenone occurrence and human exposure. <i>World Mycotoxin Journal</i> , 2010 , 3, 369-383	2.5	68
88	Influence of Cry1Ab Protein and Hybrid Genotype on Fumonisin Contamination and Fusarium Ear Rot of Corn. <i>Crop Science</i> , 2003 , 43, 1283-1293	2.4	66

87	Monoclonal Antibodies for the Mycotoxins Deoxynivalenol and 3-Acetyl-Deoxynivalenol. <i>Food and Agricultural Immunology</i> , 2000 , 12, 181-192	2.9	66
86	Determination of the aflatoxin M1 (AFM1) from milk by direct analysis in real time [mass spectrometry (DART-MS). <i>Food Control</i> , 2015 , 47, 592-598	6.2	60
85	Developments in mycotoxin analysis: an update for 2012-2013. <i>World Mycotoxin Journal</i> , 2014 , 7, 3-33	2.5	58
84	Fluorescence polarization immunoassay of mycotoxins: a review. <i>Toxins</i> , 2009 , 1, 196-207	4.9	58
83	Capillary electrophoresis of the mycotoxin zearalenone using cyclodextrin-enhanced fluorescence. <i>Journal of Chromatography A</i> , 2007 , 1143, 252-7	4.5	58
82	Anomericity of T-2 toxin-glucoside: masked mycotoxin in cereal crops. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 731-8	5.7	57
81	Detection of zearalenone and related metabolites by fluorescence polarization immunoassay. <i>Journal of Food Protection</i> , 2004 , 67, 1039-43	2.5	57
80	Gold nanoparticle-enhanced multiplexed imaging surface plasmon resonance (iSPR) detection of Fusarium mycotoxins in wheat. <i>Biosensors and Bioelectronics</i> , 2018 , 101, 245-252	11.8	55
79	Observation of T-2 toxin and HT-2 toxin glucosides from Fusarium sporotrichioides by liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS). <i>Toxins</i> , 2011 , 3, 1554-68	4.9	55
78	Recent advances in the development of novel materials for mycotoxin analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1205-13	4.4	53
77	Rapid detection of nivalenol and deoxynivalenol in wheat using surface plasmon resonance immunoassay. <i>Analytica Chimica Acta</i> , 2010 , 673, 173-8	6.6	51
76	Fiber-optic immunosensor for mycotoxins. <i>Natural Toxins</i> , 1999 , 7, 371-6		50
75	Capillary Electrophoresis with Laser-Induced Fluorescence: A Method for the Mycotoxin Ochratoxin A. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 3162-3165	5.7	49
74	Fiber-Optic Immunosensor for the Detection of Fumonisin B1. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 1041-1046	5.7	49
73	Improvement of detection sensitivity of T-2 and HT-2 toxins using different fluorescent labeling reagents by high-performance liquid chromatography. <i>Talanta</i> , 2008 , 74, 1476-83	6.2	48
72	Absence of detectable fumonisins in the milk of cows fed Fusarium proliferatum (Matsushima) Nirenberg culture material. <i>Mycopathologia</i> , 1996 , 133, 123-6	2.9	48
71	Use of cyclodextrins as modifiers of fluorescence in the detection of mycotoxins. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008 , 25, 164-71	3.2	47
70	Relationships among resistances to Fusarium and Aspergillus ear rots and contamination by fumonisin and aflatoxin in maize. <i>Phytopathology</i> , 2007 , 97, 311-7	3.8	44

69	Emerging Technologies for Mycotoxin Detection. <i>Toxin Reviews</i> , 2004 , 23, 317-344		43
68	Developments in mycotoxin analysis: an update for 2009-2010. <i>World Mycotoxin Journal</i> , 2011 , 4, 3-28	2.5	39
67	Analysis of Aflatoxin B1 in Corn Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 4337-4341	5.7	39
66	Developments in mycotoxin analysis: an update for 2013-2014. <i>World Mycotoxin Journal</i> , 2015 , 8, 5-35	2.5	34
65	Fluorescence polarization as a tool for the determination of deoxynivalenol in wheat. <i>Food Additives and Contaminants</i> , 2002 , 19, 400-7		34
64	Capillary Zone Electrophoresis and HPLC for the Analysis of Fluorescein Isothiocyanate-Labeled Fumonisin B1. <i>Journal of Agricultural and Food Chemistry</i> , 1995 , 43, 390-394	5.7	33
63	Determination of Deoxynivalenol and Nivalenol in Corn and Wheat by Liquid Chromatography with Electro spray Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2003 , 86, 61-65	1.7	31
62	Production and characterization of anti-idiotypic and anti-anti-idiotypic antibodies against fumonisin B1. <i>Journal of Agricultural and Food Chemistry</i> , 1995 , 43, 261-267	5.7	31
61	Fluorescence polarisation immunoassays for rapid, accurate and sensitive determination of mycotoxins. <i>World Mycotoxin Journal</i> , 2014 , 7, 479-490	2.5	29
60	Developments in mycotoxin analysis: an update for 2008-2009. <i>World Mycotoxin Journal</i> , 2010 , 3, 3-23	2.5	29
59	Mutagenicity of glyceryl trinitrate (nitroglycerin) in Salmonella typhimurium. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1993 , 298, 187-95		29
58	Liquid chromatographic determination of fumonisins B1, B2, and B3 in corn silage. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 196-200	5.7	28
57	Determination of the aflatoxin AFB1 from corn by direct analysis in real time-mass spectrometry (DART-MS). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 932-9	3.2	26
56	Development of monoclonal antibodies for the fusarin mycotoxins. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008 , 25, 105-14	3.2	26
55	Synthesis and evaluation of molecularly imprinted polymers as sorbents of moniliformin. <i>Food Additives and Contaminants</i> , 2007 , 24, 43-52		24
54	Evaluation of Food-Grade Dent Corn Hybrids for Severity of Fusarium Ear Rot and Fumonisin Accumulation in Grain. <i>Plant Disease</i> , 2005 , 89, 291-297	1.5	24
53	Biosensors for mycotoxin analysis: recent developments and future prospects. <i>World Mycotoxin Journal</i> , 2009 , 2, 221-238	2.5	23
52	Affinity column clean-up for the analysis of fumonisins and their hydrolysis products in corn. <i>Food and Agricultural Immunology</i> , 1997 , 9, 3-12	2.9	23

51	Signal amplification using colloidal gold in a bilayer interferometry-based immunosensor for the mycotoxin deoxynivalenol. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012 , 29, 1108-17	3.2	22
50	Production and characterization of a single chain variable fragment (scFv) against the mycotoxin deoxynivalenol. <i>Food and Agricultural Immunology</i> , 2012 , 23, 51-67	2.9	22
49	Developments in mycotoxin analysis: an update for 2007-2008. <i>World Mycotoxin Journal</i> , 2009 , 2, 3-21	2.5	22
48	Detection of the mycotoxin fumonisin B1 by a combination of immunofluorescence and capillary electrophoresis. <i>Food and Agricultural Immunology</i> , 1997 , 9, 147-157	2.9	22
47	Maize ear rot and moniliformin contamination by cryptic species of <i>Fusarium subglutinans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 7383-90	5.7	21
46	Relationships of Resistance to <i>Fusarium</i> Ear Rot and Fumonisin Contamination with Agronomic Performance of Maize. <i>Crop Science</i> , 2007 , 47, 1770-1778	2.4	19
45	An Imaging Surface Plasmon Resonance Biosensor Assay for the Detection of T-2 Toxin and Masked T-2 Toxin-3-Glucoside in Wheat. <i>Toxins</i> , 2018 , 10,	4.9	18
44	Detection of deoxynivalenol using bilayer interferometry. <i>Mycotoxin Research</i> , 2011 , 27, 157-65	4	18
43	Multiplexed Biosensors for Mycotoxins. <i>Journal of AOAC INTERNATIONAL</i> , 2016 , 99, 849-860	1.7	17
42	Determination of Deoxynivalenol in Wheat Bran and Whole-Wheat Flour by Fluorescence Polarization Immunoassay. <i>Food Analytical Methods</i> , 2014 , 7, 806-813	3.4	17
41	Comparison of Enzyme-Linked Immunosorbent Assay, Surface Plasmon Resonance and Biolayer Interferometry for Screening of Deoxynivalenol in Wheat and Wheat Dust. <i>Toxins</i> , 2016 , 8, 103	4.9	17
40	Immunoassay utilizing imaging surface plasmon resonance for the detection of cyclopiazonic acid (CPA) in maize and cheese. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3543-3552	4.4	15
39	Development and evaluation of monoclonal antibodies for the glucoside of T-2 toxin (t2-glc). <i>Toxins</i> , 2013 , 5, 1299-313	4.9	15
38	Interaction of zearalenone with bovine serum albumin as determined by fluorescence quenching. <i>Mycotoxin Research</i> , 2018 , 34, 39-48	4	15
37	Detection of cyclopiazonic acid (CPA) in maize by immunoassay. <i>Mycotoxin Research</i> , 2017 , 33, 157-165	4	14
36	Production of anti-idiotypic antibodies for deoxynivalenol and their evaluation with three immunoassay platforms. <i>Mycotoxin Research</i> , 2014 , 30, 103-11	4	14
35	Detection of moniliformin in maize using capillary zone electrophoresis. <i>Food Additives and Contaminants</i> , 2004 , 21, 803-10		13
34	Determination of hydrolysed fumonisin B1 (HFB1) in corn by competitive direct enzyme-linked immunosorbent assay. <i>Food Additives and Contaminants</i> , 1996 , 13, 105-13		13

33	Zearalenone occurrence in surface waters in central Illinois, USA. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2012 , 5, 55-64	3.3	12
32	Quantification of patulin in fruit leathers by ultra-high-performance liquid chromatography-photodiode array (UPLC-PDA). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1164-74	3.2	9
31	Development and Evaluation of Monoclonal Antibodies for Paxilline. <i>Toxins</i> , 2015 , 7, 3903-15	4.9	9
30	Photolysis of cyclopiazonic acid to fluorescent products. <i>World Mycotoxin Journal</i> , 2009 , 2, 77-84	2.5	9
29	Fluorescence polarization for mycotoxin determination. <i>Mycotoxin Research</i> , 2006 , 22, 96-9	4	9
28	Fluorescence Polarization Immunoassay for the Determination of T-2 and HT-2 Toxins and Their Glucosides in Wheat. <i>Toxins</i> , 2019 , 11,	4.9	8
27	Extraction of Aflatoxins B1 and G1 from Maize by Using Aqueous Sodium Dodecyl Sulfate. <i>Journal of AOAC INTERNATIONAL</i> , 2008 , 91, 762-767	1.7	8
26	Measurement of T-2 and HT-2 toxins in eggs by high-performance liquid chromatography with fluorescence detection. <i>Journal of Food Protection</i> , 2006 , 69, 2773-6	2.5	8
25	MycKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. <i>Toxins</i> , 2018 , 10,	4.9	7
24	Chapter 1:Introduction to Masked Mycotoxins. <i>Issues in Toxicology</i> , 2015 , 1-13	0.3	7
23	Joint Mycotoxin Committee. <i>Journal of AOAC INTERNATIONAL</i> , 2000 , 83, 536-542	1.7	6
22	Quantitative estimates of N-nitrosotrimethylurea formation in the porcine stomach. <i>Carcinogenesis</i> , 1990 , 11, 1587-91	4.6	6
21	Complexation of the Mycotoxin Cyclopiazonic Acid with Lanthanides Yields Luminescent Products. <i>Toxins</i> , 2018 , 10,	4.9	5
20	Roquefortine C in blue-veined and soft-ripened Cheeses in the USA. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2021 , 1-9	3.3	5
19	Recent Developments in Trichothecene Analysis. <i>ACS Symposium Series</i> , 2008 , 192-210	0.4	4
18	Development and characterisation of a monoclonal antibody to detect the mycotoxin roquefortine C. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020 , 37, 1777-1790	3.2	4
17	Committee on Natural Toxins and Food Allergens : Mycotoxins. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 1B-17B	1.7	3
16	Molecularly Imprinted Polymers for Mycotoxins. <i>ACS Symposium Series</i> , 2008 , 152-169	0.4	3

15	Joint Mycotoxin Committee. <i>Journal of AOAC INTERNATIONAL</i> , 2001 , 84, 303-308	1.7	3
14	Development and Characterization of Monoclonal Antibodies for the Mycotoxin Citreoviridin. <i>Toxins</i> , 2019 , 11,	4.9	2
13	Interactions between cyclodextrins and fluorescent T-2 and HT-2 toxin derivatives: a physico-chemical study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013 , 75, 285-292		2
12	Photoreaction of indole-containing mycotoxins to fluorescent products. <i>Mycotoxin Research</i> , 2009 , 25, 67-75	4	2
11	Monoclonal Antibody-Based Competitive Enzyme-Linked Immunosorbent Assays for the Hydrolysis Product of Fumonisin B1 (HFB1). <i>ACS Symposium Series</i> , 1996 , 349-357	0.4	2
10	Gastric nitrate reduction and nitrosation of trimethylurea in swine treated with pentagastrin or cimetidine. <i>Carcinogenesis</i> , 1991 , 12, 141-3	4.6	2
9	Volatile Organic Compound Profile Fingerprints Using DART-MS Shows Species-Specific Patterns in Mycotoxin Producing Fungi.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 8,	5.6	2
8	Coordination of mycotoxins with lanthanides in luminescent complexes. <i>Mycotoxin Research</i> , 2019 , 35, 279-292	4	1
7	Application of Ambient Ionization Mass Spectrometry to Detect the Mycotoxin Roquefortine C in Blue Cheese. <i>Food Analytical Methods</i> , 1	3.4	0
6	Committee on Natural Toxins and Food Allergens. <i>Journal of AOAC INTERNATIONAL</i> , 2010 , 93, 28B-29B	1.7	
5	A Closer Look at Cyclodextrins in Mycotoxin Analysis. <i>ACS Symposium Series</i> , 2010 , 293-305	0.4	
4	Committee on Natural Toxins and Food Allergens. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 25B-25B	1.7	
3	Fellows Committee. <i>Journal of AOAC INTERNATIONAL</i> , 1999 , 82, 550-550	1.7	
2	A two stage cannula for gastric fistulation of swine. <i>Laboratory Animal Science</i> , 1990 , 40, 217-9		
1	Extraction of aflatoxins B1 and G1 from maize by using aqueous sodium dodecyl sulfate. <i>Journal of AOAC INTERNATIONAL</i> , 2008 , 91, 762-7	1.7	