Chris M Maragos

List of Publications by Year
in descending order

107	5,757	87886 38	76898 74
papers	citations	h-index	g-index

108	108	108	4427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DNA Deaminating Ability and Genotoxicity of Nitric Oxide and its Progenitors. Science, 1991, 254, 1001-1003.	12.6	1,217
2	Complexes of .NO with nucleophiles as agents for the controlled biological release of nitric oxide. Vasorelaxant effects. Journal of Medicinal Chemistry, 1991, 34, 3242-3247.	6.4	730
3	Fusarium Species from Nepalese Rice and Production of Mycotoxins and Gibberellic Acid by Selected Species. Applied and Environmental Microbiology, 2000, 66, 1020-1025.	3.1	199
4	Occurrence of Fusarium Species and Mycotoxins in Nepalese Maize and Wheat and the Effect of Traditional Processing Methods on Mycotoxin Levels. Journal of Agricultural and Food Chemistry, 2000, 48, 1377-1383.	5.2	124
5	Rapid and advanced tools for mycotoxin analysis: a review. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 688-700.	2.3	123
6	QTL Mapping for Fusarium Ear Rot and Fumonisin Contamination Resistance in Two Maize Populations. Crop Science, 2006, 46, 1734-1743.	1.8	120
7	Indirect competitive immunoassay for detection of aflatoxin B1 in corn and nut products using the array biosensor. Biosensors and Bioelectronics, 2006, 21, 2298-2305.	10.1	109
8	Nitric oxide/nucleophile complexes inhibit the in vitro proliferation of A375 melanoma cells via nitric oxide release. Cancer Research, 1993, 53, 564-8.	0.9	108
9	Heritabilities and Correlations of Fusarium Ear Rot Resistance and Fumonisin Contamination Resistance in Two Maize Populations. Crop Science, 2006, 46, 353-361.	1.8	103
10	Sources of Resistance to Fumonisin Accumulation in Grain and Fusarium Ear and Kernel Rot of Corn. Phytopathology, 2004, 94, 251-260.	2.2	94
11	Rapid Fluorescence Polarization Immunoassay for the Mycotoxin Deoxynivalenol in Wheat. Journal of Agricultural and Food Chemistry, 2002, 50, 1827-1832.	5.2	92
12	Evaluation of Inoculation Techniques for Fusarium Ear Rot and Fumonisin Contamination of Corn. Plant Disease, 2003, 87, 147-153.	1.4	84
13	Influence of Cry1Ab Protein and Hybrid Genotype on Fumonisin Contamination and Fusarium Ear Rot of Corn. Crop Science, 2003, 43, 1283-1293.	1.8	79
14	Developments in mycotoxin analysis: an update for 2010-2011. World Mycotoxin Journal, 2012, 5, 3-30.	1.4	79
15	Zearalenone occurrence and human exposure. World Mycotoxin Journal, 2010, 3, 369-383.	1.4	76
16	Fluorescence Polarization as a Means for Determination of Fumonisins in Maize. Journal of Agricultural and Food Chemistry, 2001, 49, 596-602.	5.2	74
17	Developments in mycotoxin analysis: an update for 2012-2013. World Mycotoxin Journal, 2014, 7, 3-33.	1.4	74
18	Mechanism of Vascular Relaxation Induced by the Nitric Oxide (NO)/Nucleophile Complexes, a New Class of NO-Based Vasodilators. Journal of Cardiovascular Pharmacology, 1993, 21, 670-676.	1.9	72

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19	Gold nanoparticle-enhanced multiplexed imaging surface plasmon resonance (iSPR) detection of Fusarium mycotoxins in wheat. Biosensors and Bioelectronics, 2018, 101, 245-252.	10.1	71
20	Monoclonal Antibodies for the Mycotoxins Deoxynivalenol and 3-Acetyl-Deoxynivalenol. Food and Agricultural Immunology, 2000, 12, 181-192.	1.4	69
21	Determination of the aflatoxin M1 (AFM1) from milk by direct analysis in real time â€“ mass spectrometry (DART-MS). Food Control, 2015, 47, 592-598.	5.5	69
22	Anomericity of T-2 Toxin-glucoside: Masked Mycotoxin in Cereal Crops. Journal of Agricultural and Food Chemistry, 2015, 63, 731-738.	5.2	68
23	Fluorescence Polarization Immunoassay of Mycotoxins: A Review. Toxins, 2009, 1, 196-207.	3.4	65
24	Observation of T-2 Toxin and HT-2 Toxin Glucosides from Fusarium sporotrichioides by Liquid Chromatography Coupled to Tandem Mass Spectrometry (LC-MS/MS). Toxins, 2011, 3, 1554-1568.	3.4	65
25	Capillary electrophoresis of the mycotoxin zearalenone using cyclodextrin-enhanced fluorescence. Journal of Chromatography A, 2007, 1143, 252-257.	3.7	63
26	Detection of Zearalenone and Related Metabolites by Fluorescence Polarization Immunoassay. Journal of Food Protection, 2004, 67, 1039-1043.	1.7	61
27	Rapid detection of nivalenol and deoxynivalenol in wheat using surface plasmon resonance immunoassay. Analytica Chimica Acta, 2010, 673, 173-178.	5.4	59
28	Improvement of detection sensitivity of T-2 and HT-2 toxins using different fluorescent labeling reagents by high-performance liquid chromatographyâ˜†. Talanta, 2008, 74, 1476-1483.	5.5	57
29	Recent advances in the development of novel materials for mycotoxin analysis. Analytical and Bioanalytical Chemistry, 2009, 395, 1205-1213.	3.7	57
30	Fiber-Optic Immunosensor for the Detection of Fumonisin B1. Journal of Agricultural and Food Chemistry, 1996, 44, 1041-1046.	5.2	56
31	Fiber-optic immunosensor for mycotoxins. Natural Toxins, 1999, 7, 371-376.	1.0	56
32	Use of cyclodextrins as modifiers of fluorescence in the detection of mycotoxins. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 164-171.	2.3	55
33	Capillary Electrophoresis with Laser-Induced Fluorescence:Â Method for the Mycotoxin Ochratoxin A. Journal of Agricultural and Food Chemistry, 1998, 46, 3162-3165.	5.2	54
34	Absence of detectable fumonisins in the milk of cows fed Fusarium proliferatun (Matsushima) Nirenberg culture material. Mycopathologia, 1996, 133, 123-126.	3.1	53
35	Relationships Among Resistances to Fusarium and Aspergillus Ear Rots and Contamination by Fumonisin and Aflatoxin in Maize. Phytopathology, 2007, 97, 311-317.	2.2	52
36	Emerging Technologies for Mycotoxin Detection. Toxin Reviews, 2004, 23, 317-344.	1.5	50

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37	Developments in mycotoxin analysis: an update for 2009-2010. World Mycotoxin Journal, 2011, 4, 3-28.	1.4	44
38	Analysis of Aflatoxin B1in Corn Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. Journal of Agricultural and Food Chemistry, 1997, 45, 4337-4341.	5.2	43
39	Developments in mycotoxin analysis: an update for 2008-2009. World Mycotoxin Journal, 2010, 3, 3-23.	1.4	39
40	Developments in mycotoxin analysis: an update for 2013-2014. World Mycotoxin Journal, 2015, 8, 5-35.	1.4	38
41	Capillary Zone Electrophoresis and HPLC for the Analysis of Fluorescein Isothiocyanate-Labeled Fumonisin B1. Journal of Agricultural and Food Chemistry, 1995, 43, 390-394.	5.2	37
42	Fluorescence polarization as a tool for the determination of deoxynivalenol in wheat. Food Additives and Contaminants, 2002, 19, 400-407.	2.0	36
43	Determination of Deoxynivalenol and Nivalenol in Corn and Wheat by Liquid Chromatography with Electrospray Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2003, 86, 61-65.	1.5	35
44	Mutagenicity of glyceryl trinitrate (nitroglycerin) in Salmonella typhimurium. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1993, 298, 187-195.	1.2	33
45	Production and characterization of anti-idiotype and anti-anti-idiotype antibodies against fumonisin B1. Journal of Agricultural and Food Chemistry, 1995, 43, 261-267.	5.2	32
46	Liquid Chromatographic Determination of Fumonisins B1, B2, and B3 in Corn Silage. Journal of Agricultural and Food Chemistry, 2004, 52, 196-200.	5.2	32
47	Fluorescence polarisation immunoassays for rapid, accurate and sensitive determination of mycotoxins. World Mycotoxin Journal, 2014, 7, 479-490.	1.4	31
48	Development of monoclonal antibodies for the fusarin mycotoxins. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 105-114.	2.3	30
49	Determination of the aflatoxin AFB1 from corn by direct analysis in real time-mass spectrometry (DART-MS). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 932-939.	2.3	30
50	Interaction of zearalenone with bovine serum albumin as determined by fluorescence quenching. Mycotoxin Research, 2018, 34, 39-48.	2.3	27
51	Synthesis and evaluation of molecularly imprinted polymers as sorbents of moniliformin. Food Additives and Contaminants, 2007, 24, 43-52.	2.0	26
52	Biosensors for mycotoxin analysis: recent developments and future prospects. World Mycotoxin Journal, 2009, 2, 221-238.	1.4	26
53	Affinity column cleanâ€up for the analysis of fumonisins and their hydrolysis products in corn. Food and Agricultural Immunology, 1997, 9, 3-12.	1.4	25
54	Evaluation of Food-Grade Dent Corn Hybrids for Severity of Fusarium Ear Rot and Fumonisin Accumulation in Grain. Plant Disease, 2005, 89, 291-297.	1.4	25

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55	Maize Ear Rot and Moniliformin Contamination by Cryptic Species ofFusarium subglutinans. Journal of Agricultural and Food Chemistry, 2006, 54, 7383-7390.	5.2	25
56	Developments in mycotoxin analysis: an update for 2007-2008. World Mycotoxin Journal, 2009, 2, 3-21.	1.4	25
57	Production and characterization of a single chain variable fragment (scFv) against the mycotoxin deoxynivalenol. Food and Agricultural Immunology, 2012, 23, 51-67.	1.4	25
58	Determination of Deoxynivalenol in Wheat Bran and Whole-Wheat Flour by Fluorescence Polarization Immunoassay. Food Analytical Methods, 2014, 7, 806-813.	2.6	25
59	An Imaging Surface Plasmon Resonance Biosensor Assay for the Detection of T-2 Toxin and Masked T-2 Toxin-3-Glucoside in Wheat. Toxins, 2018, 10, 119.	3.4	24
60	Detection of the mycotoxin fumonisin B₁by a combination of immunofluorescence and capillary electrophoresis. Food and Agricultural Immunology, 1997, 9, 147-157.	1.4	23
61	Signal amplification using colloidal gold in a biolayer interferometry-based immunosensor for the mycotoxin deoxynivalenol. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 1108-1117.	2.3	23
62	Relationships of Resistance to Fusarium Ear Rot and Fumonisin Contamination with Agronomic Performance of Maize. Crop Science, 2007, 47, 1770-1778.	1.8	22
63	Comparison of Enzyme-Linked Immunosorbent Assay, Surface Plasmon Resonance and Biolayer Interferometry for Screening of Deoxynivalenol in Wheat and Wheat Dust. Toxins, 2016, 8, 103.	3.4	20
64	Detection of deoxynivalenol using biolayer interferometry. Mycotoxin Research, 2011, 27, 157-165.	2.3	19
65	Detection of cyclopiazonic acid (CPA) in maize by immunoassay. Mycotoxin Research, 2017, 33, 157-165.	2.3	19
66	Immunoassay utilizing imaging surface plasmon resonance for the detection of cyclopiazonic acid (CPA) in maize and cheese. Analytical and Bioanalytical Chemistry, 2019, 411, 3543-3552.	3.7	19
67	Multiplexed Biosensors for Mycotoxins. Journal of AOAC INTERNATIONAL, 2016, 99, 849-860.	1.5	18
68	Development and Evaluation of Monoclonal Antibodies for the Glucoside of T-2 Toxin (T2-Glc). Toxins, 2013, 5, 1299-1313.	3.4	17
69	Fluorescence Polarization Immunoassay for the Determination of T-2 and HT-2 Toxins and Their Glucosides in Wheat. Toxins, 2019, 11, 380.	3.4	17
70	Zearalenone occurrence in surface waters in central Illinois, USA. Food Additives and Contaminants: Part B Surveillance, 2012, 5, 55-64.	2.8	16
71	Production of anti-idiotype antibodies for deoxynivalenol and their evaluation with three immunoassay platforms. Mycotoxin Research, 2014, 30, 103-111.	2.3	16
72	Detection of moniliformin in maize using capillary zone electrophoresis. Food Additives and Contaminants, 2004, 21, 803-810.	2.0	15

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73	Determination of hydrolysed fumonisin B1(HFB1) in corn by competitive direct enzymeâ€linked immunosorbent assay. Food Additives and Contaminants, 1996, 13, 105-113.	2.0	13
74	Development and Evaluation of Monoclonal Antibodies for Paxilline. Toxins, 2015, 7, 3903-3915.	3.4	11
75	Volatile Organic Compound Profile Fingerprints Using DARTâ€“MS Shows Species-Specific Patterns in Fusarium Mycotoxin Producing Fungi. Journal of Fungi (Basel, Switzerland), 2022, 8, 3.	3.5	11
76	Measurement of T-2 and HT-2 Toxins in Eggs by High-Performance Liquid Chromatography with Fluorescence Detection. Journal of Food Protection, 2006, 69, 2773-2776.	1.7	10
77	Photolysis of cyclopiazonic acid to fluorescent products. World Mycotoxin Journal, 2009, 2, 77-84.	1.4	10
78	Quantification of patulin in fruit leathers by ultra-high-performance liquid chromatography-photodiode array (UPLC-PDA). Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 1164-1174.	2.3	10
79	Fluorescence polarization for mycotoxin determination. Mycotoxin Research, 2006, 22, 96-99.	2.3	9
80	Extraction of Aflatoxins B1 and G1 from Maize by Using Aqueous Sodium Dodecyl Sulfate. Journal of AOAC INTERNATIONAL, 2008, 91, 762-767.	1.5	9
81	MycoKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. Toxins, 2018, 10, 109.	3.4	8
82	Chapter 1. Introduction to Masked Mycotoxins. Issues in Toxicology, 2015, , 1-13.	0.1	8
83	Quantitative estimates ofN-nitrosotrimethylurea formation in the porcine stomach. Carcinogenesis, 1990, 11, 1587-1591.	2.8	6
84	Joint Mycotoxin Committee. Journal of AOAC INTERNATIONAL, 2000, 83, 536-542.	1.5	6
85	Committee on Natural Toxins and Food Allergens : Mycotoxins. Journal of AOAC INTERNATIONAL, 2007, 90, 1B-17B.	1.5	6
86	Recent Developments in Trichothecene Analysis. ACS Symposium Series, 2008, , 192-210.	0.5	6
87	Roquefortine C in blue-veined and soft-ripened Cheeses in the USA. Food Additives and Contaminants: Part B Surveillance, 2021, , 1-9.	2.8	6
88	Complexation of the Mycotoxin Cyclopiazonic Acid with Lanthanides Yields Luminescent Products. Toxins, 2018, 10, 285.	3.4	5
89	Joint Mycotoxin Committee. Journal of AOAC INTERNATIONAL, 2001, 84, 303-308.	1.5	4
90	Development and characterisation of a monoclonal antibody to detect the mycotoxin roquefortine C. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 1777-1790.	2.3	4

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91	Gastric nitrate reduction and nitrosation of trimethylurea in swine treated with pentagastrin or cimetidine. Carcinogenesis, 1991, 12, 141-143.	2.8	3
92	Molecularly Imprinted Polymers for Mycotoxins. ACS Symposium Series, 2008, , 152-169.	0.5	3
93	Development and Characterization of Monoclonal Antibodies for the Mycotoxin Citreoviridin. Toxins, 2019, 11, 630.	3.4	3
94	Monoclonal Antibody-Based Competitive Enzyme-Linked Immunosorbent Assays for the Hydrolysis Product of Fumonisin B₁ (HFB₁). ACS Symposium Series, 1996, , 349-357.	0.5	2
95	Photoreaction of indole-containing mycotoxins to fluorescent products. Mycotoxin Research, 2009, 25, 67-75.	2.3	2
96	Interactions between cyclodextrins and fluorescent T-2 and HT-2 toxin derivatives: a physico-chemical study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 285-292.	1.6	2
97	Application of Ambient Ionization Mass Spectrometry to Detect the Mycotoxin Roquefortine C in Blue Cheese. Food Analytical Methods, 2022, 15, 751-760.	2.6	2
98	Coordination of mycotoxins with lanthanides in luminescent complexes. Mycotoxin Research, 2019, 35, 279-292.	2.3	1
99	Chapter 3. Immunologically-based Methods for Detecting Masked Mycotoxins. Issues in Toxicology, 2015, , 32-49.	0.1	1
100	Extraction of aflatoxins B1 and G1 from maize by using aqueous sodium dodecyl sulfate. Journal of AOAC INTERNATIONAL, 2008, 91, 762-7.	1.5	1
101	Mixed ligand, non-nitrosyl Cu(II) complexes as potential cardiovascular agents via no release.. Journal of Inorganic Biochemistry, 1992, 47, 47.	3.5	0
102	Nitric oxide delivery agents: Metal complexes of R1R2N-N2O2- ligands with pharmacological activity.. Journal of Inorganic Biochemistry, 1993, 51, 384.	3.5	0
103	Fellows Committee. Journal of AOAC INTERNATIONAL, 1999, 82, 550-550.	1.5	0
104	Committee on Natural Toxins and Food Allergens. Journal of AOAC INTERNATIONAL, 2009, 92, 25B-25B.	1.5	0
105	A Closer Look at Cyclodextrins in Mycotoxin Analysis. ACS Symposium Series, 2010, , 293-305.	0.5	0
106	Committee on Natural Toxins and Food Allergens. Journal of AOAC INTERNATIONAL, 2010, 93, 28B-29B.	1.5	0
107	A two stage cannula for gastric fistulation of swine. Laboratory Animal Science, 1990, 40, 217-9.	0.3	0