Matthew J Morra

List of Publications by Year
in descending order

45 papers	1,931 citations	304743 22 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	1718 citing authors

#	Article	IF	Citations
1	Control of Soil-Borne Plant Pests Using Glucosinolate-Containing Plants. Advances in Agronomy, 1997, , 167-231.	5.2	448
2	Glucosinolate-containing plant tissues as bioherbicides. Journal of Agricultural and Food Chemistry, 1995, 43, 3070-3074.	5.2	178
3	Allelochemicals produced during glucosinolate degradation in soil. Journal of Chemical Ecology, 1991, 17, 2021-2034.	1.8	169
4	Transformation of the Glucosinolate-Derived Allelochemicals Allyl Isothiocyanate and Allylnitrile in Soil. Journal of Agricultural and Food Chemistry, 1995, 43, 1935-1940.	5.2	104
5	Ionic Thiocyanate (SCN-) Production from 4-Hydroxybenzyl Glucosinolate Contained inSinapis albaSeed Meal. Journal of Agricultural and Food Chemistry, 2005, 53, 8650-8654.	5.2	86
6	Allelochemicals Produced during Sinigrin Decomposition in Soil. Journal of Agricultural and Food Chemistry, 1994, 42, 1030-1034.	5.2	68
7	Antioxidant Extraction from Mustard (Brassica juncea) Seed Meal Using Highâ€Intensity Ultrasound. Journal of Food Science, 2013, 78, E542-8.	3.1	59
8	Toxicity of Isothiocyanates Produced by Glucosinolates in Brassicaceae Species to Black Vine Weevil Eggs. Journal of Agricultural and Food Chemistry, 1998, 46, 5318-5323.	5.2	58
9	Pesticide application practices, pest knowledge, and cost-benefits of plantain production in the Bribri-CabÃ©car Indigenous Territories, Costa Rica. Environmental Research, 2008, 108, 98-106.	7.5	48
10	Brassicaceae Tissues as Inhibitors of Nitrification in Soil. Journal of Agricultural and Food Chemistry, 2009, 57, 7706-7711.	5.2	43
11	Defatted mustard seed meal-based biopolymer film development. Food Hydrocolloids, 2012, 26, 118-125.	10.7	41
12	Seed Meals from Brassicaceae Oilseed Crops as Soil Amendments: Influence on Carrot Growth, Microbial Biomass Nitrogen, and Nitrogen Mineralization. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 354-361.	1.0	41
13	Metal(loid) Diagenesis in Mine-Impacted Sediments of Lake Coeur d'Alene, Idaho. Environmental Science & Technology, 2006, 40, 2537-2543.	10.0	40
14	Association between extracted copper and dissolved organic matter in dairy-manure amended soils. Environmental Pollution, 2019, 246, 1020-1026.	7.5	37
15	Fate of tetracycline antibiotics in dairy manure-amended soils. Environmental Reviews, 2018, 26, 102-112.	4.5	34
16	Ionic Thiocyanate (SCN^{â^'}) Production, Fate, and Phytotoxicity in Soil Amended with Brassicaceae Seed Meals. Journal of Agricultural and Food Chemistry, 2008, 56, 3912-3917.	5.2	33
17	Gas Chromatography of Allelochemicals Produced during Glucosinolate Degradation in Soil. Journal of Agricultural and Food Chemistry, 1994, 42, 2029-2034.	5.2	31
18	Simultaneous Quantification of Sinigrin, Sinalbin, and Anionic Glucosinolate Hydrolysis Products in Brassica juncea and Sinapis alba Seed Extracts Using Ion Chromatography. Journal of Agricultural and Food Chemistry, 2014, 62, 10687-10693.	5.2	31

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19	The Influence of Solid Microneedles on the Transdermal Delivery of Selected Antiepileptic Drugs. Pharmaceutics, 2016, 8, 33.	4.5	31
20	Optimization of hydrolysis conditions for release of biopesticides from glucosinolates in Brassica juncea and Sinapis alba seed meal extracts. Industrial Crops and Products, 2017, 97, 354-359.	5.2	26
21	Bioherbicidal activity of Sinapis alba seed meal extracts. Industrial Crops and Products, 2018, 115, 174-181.	5.2	26
22	Nitrogen mineralization in soil incubated with 15N-labeled Brassicaceae seed meals. Applied Soil Ecology, 2010, 46, 73-80.	4.3	25
23	Sinigrin and sinalbin quantification in mustard seed using high performance liquid chromatographyâ€“time-of-flight mass spectrometry. Journal of Food Composition and Analysis, 2014, 35, 120-126.	3.9	22
24	Estrogens: Properties, behaviors, and fate in dairy manure-amended soils. Environmental Reviews, 2017, 25, 452-462.	4.5	22
25	Selenium Biogeochemical Cycling and Fluxes in the Hyporheic Zone of a Mining-Impacted Stream. Environmental Science & Technology, 2010, 44, 4176-4183.	10.0	20
26	An ecological risk assessment of pesticides and fish kills in the Sixaola watershed, Costa Rica. Environmental Science and Pollution Research, 2016, 23, 5983-5991.	5.3	20
27	Dualâ€guild herbivory disrupts predatorâ€prey interactions in the field. Ecology, 2018, 99, 1089-1098.	3.2	20
28	Depositional Influences on Porewater Arsenic in Sediments of a Mining-Contaminated Freshwater Lake. Environmental Science & Technology, 2008, 42, 6823-6829.	10.0	19
29	Glucosinolate preservation in stored Brassicaceae seed meals. Journal of Stored Products Research, 2010, 46, 98-102.	2.6	19
30	Biofumigant Biomass, Nutrient Content, and Glucosinolate Response to Phosphorus. Journal of Plant Nutrition, 2008, 31, 743-757.	1.9	15
31	Mustard seed meal mixtures: management of Meloidogyne incognita on pepper and potential phytotoxicity. Journal of Nematology, 2011, 43, 7-15.	0.9	14
32	Co-Production of Ethanol and 1,2-Propanediol via Glycerol Hydrogenolysis Using Ni/Ceâ€“Mg Catalysts: Effects of Catalyst Preparation and Reaction Conditions. Catalysts, 2017, 7, 290.	3.5	11
33	The Influence of Microneedles on the Percutaneous Penetration of Selected Antihypertensive Agents: Diltiazem Hydrochloride and Perindopril Erbumine. Current Drug Delivery, 2018, 15, 1449-1458.	1.6	11
34	Pesticide sequestration in passive samplers (SPMDs): considerations for deployment time, biofouling, and stream flow in a tropical watershed. Journal of Environmental Monitoring, 2009, 11, 1866.	2.1	10
35	Ion chromatographic determination of thiocyanate ion in soils. Journal of Agricultural and Food Chemistry, 1991, 39, 1226-1228.	5.2	9
36	Reconstructing the history of mining and remediation in the Coeur dâ€™Alene, Idaho Mining District using lake sediments. Chemosphere, 2015, 134, 319-327.	8.2	9

#	Article	IF	Citations
37	Transport of Potential Manure Hormone and Pharmaceutical Contaminants through Intact Soil Columns. Journal of Environmental Quality, 2019, 48, 47-56.	2.0	9
38	Ecology of Sulfateâ€Reducing Bacteria in an Ironâ€Dominated, Miningâ€Impacted Freshwater Sediment. Journal of Environmental Quality, 2009, 38, 675-684.	2.0	8
39	Pressurized liquid extraction of six tetracyclines from agricultural soils. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 35-40.	1.5	8
40	Glycerol hydrogenolysis using a Ni/Ceâ€Mg catalyst for improved ethanol and 1,2â€propanediol selectivities. Canadian Journal of Chemical Engineering, 2017, 95, 1332-1339.	1.7	7
41	Optimizing the use of Sinapis alba seed meal extracts as a source of thiocyanate (SCNâ¯) for the lactoperoxidase system. LWT - Food Science and Technology, 2016, 72, 416-422.	5.2	6
42	Sinapis alba seed meal as a feedstock for extracting the natural tyrosinase inhibitor 4-hydroxybenzyl alcohol. Industrial Crops and Products, 2018, 124, 505-509.	5.2	6
43	Fate of the nonsteroidal, anti-inflammatory veterinary drug flunixin in agricultural soils and dairy manure. Environmental Science and Pollution Research, 2020, 27, 19746-19753.	5.3	4
44	Imazamethabenz hydrolysis on oxide surfaces at several pH. Journal of Pesticide Sciences, 2008, 33, 376-382.	1.4	3
45	Environmental transport of endogenous dairy manure estrogens. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 817-822.	1.5	2