

Mark W Sumarah

List of Publications by Year in descending order

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97
papers

2,981
citations

172457

29
h-index

206112

48
g-index

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all docs

97
docs citations

97
times ranked

4055
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of Environmental Contaminants in Mixed-Use Watersheds Combining Targeted and Nontargeted Analysis with Passive Sampling. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 1131-1143.	4.3	8
2	Simplified Synthesis and Stability Assessment of Aflatoxin B1-Lysine and Aflatoxin G1-Lysine. <i>Toxins</i> , 2022, 14, 56.	3.4	6
3	<i>Clavonectria</i> Root Rot of Ginseng Is Attenuated via Enzymatic Degradation of the Extracellular Fe ³⁺ -Bound Siderophore N,N ² ,N ³ -Triacetylfusarinine C. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 402-408.	2.3	2
4	Resorcylic acid lactones from the ginseng pathogen <i>Clavonectria mors-panacis</i> . <i>Phytochemistry Letters</i> , 2022, 48, 94-99.	1.2	6
5	Improved methods for biomarker analysis of the big five mycotoxins enables reliable exposure characterization in a population of childbearing age women in Rwanda. <i>Food and Chemical Toxicology</i> , 2021, 147, 111854.	3.6	13
6	Diagnostic Fragmentation Filtering for Cyanopeptolin Detection. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 1087-1097.	4.3	5
7	Simultaneous quantification of five pharmaceuticals and personal care products in biosolids and their fate in thermo-alkaline treatment. <i>Journal of Environmental Management</i> , 2021, 278, 111404.	7.8	6
8	Identification of N,N ² ,N ³ -triacetylfusarinine C as a key metabolite for root rot disease virulence in American ginseng. <i>Journal of Ginseng Research</i> , 2021, 45, 156-162.	5.7	7
9	Normalization of LC-MS mycotoxin determination using the N-alkylpyridinium-3-sulfonates (NAPS) retention index system. <i>Journal of Chromatography A</i> , 2021, 1639, 461901.	3.7	7
10	Structure Activity Relationship for Fumonisin Phytotoxicity. <i>Chemical Research in Toxicology</i> , 2021, 34, 1604-1611.	3.3	13
11	Unraveling the Ergot Alkaloid and Indole Diterpenoid Metabolome in the <i>Claviceps purpurea</i> Species Complex Using LC-HRMS/MS Diagnostic Fragmentation Filtering. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7137-7148.	5.2	12
12	Interstrain Variability of Human Vaginal <i>Lactobacillus crispatus</i> for Metabolism of Biogenic Amines and Antimicrobial Activity against Urogenital Pathogens. <i>Molecules</i> , 2021, 26, 4538.	3.8	8
13	Nontargeted Analysis Study Reporting Tool: A Framework to Improve Research Transparency and Reproducibility. <i>Analytical Chemistry</i> , 2021, 93, 13870-13879.	6.5	47
14	Multilaboratory Collaborative Study of a Nontarget Data Acquisition for Target Analysis (nDATA) Workflow Using Liquid Chromatography-High-Resolution Accurate Mass Spectrometry for Pesticide Screening in Fruits and Vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13200-13216.	5.2	11
15	The Two-Way Interaction between the Molecules That Cause Vaginal Malodour and <i>Lactobacilli</i> : An Opportunity for Probiotics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12279.	4.1	1
16	Identification and Characterization of an <i>Aspergillus niger</i> Amine Oxidase that Detoxifies Intact Fumonisin. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13779-13790.	5.2	14
17	Fate of micropollutants in chemically enhanced primary treatment using recovered coagulants. <i>Journal of Environmental Management</i> , 2020, 269, 110815.	7.8	8
18	Malodorous biogenic amines in <i>Escherichia coli</i> -caused urinary tract infections in women—a metabolomics approach. <i>Scientific Reports</i> , 2020, 10, 9703.	3.3	9

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19	Metabolomic-guided discovery of cyclic nonribosomal peptides from <i>Xylaria ellisii</i> sp. nov., a leaf and stem endophyte of <i>Vaccinium angustifolium</i> . <i>Scientific Reports</i> , 2020, 10, 4599.	3.3	22
20	Chemotaxonomic Profiling of Canadian <i>Alternaria</i> Populations Using High-Resolution Mass Spectrometry. <i>Metabolites</i> , 2020, 10, 238.	2.9	6
21	Enzymatic transformation of aflatoxin B1 by Rh_DypB peroxidase and characterization of the reaction products. <i>Chemosphere</i> , 2020, 250, 126296.	8.2	41
22	Metabolomic Profiling of Fungal Pathogens Responsible for Root Rot in American Ginseng. <i>Metabolites</i> , 2020, 10, 35.	2.9	23
23	Cover Image, Volume 99, Issue 12. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, i.	3.5	0
24	Deciphering <i>S</i> -methylcysteine biosynthesis in common bean by isotopic tracking with mass spectrometry. <i>Plant Journal</i> , 2019, 100, 176-186.	5.7	4
25	Natural Product Discovery with LC-MS/MS Diagnostic Fragmentation Filtering: Application for Microcystin Analysis. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
26	Tracing major metabolites of quinoxaline-1,4-dioxides in abalone with high-performance liquid chromatography tandem positive-mode electrospray ionization mass spectrometry. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5550-5557.	3.5	9
27	Interacting climate change environmental factors effects on <i>Fusarium langsethiae</i> growth, expression of Tri genes and T-2/HT-2 mycotoxin production on oat-based media and in stored oats. <i>Fungal Biology</i> , 2019, 123, 618-624.	2.5	29
28	Comparing genotype and chemotype of <i>Fusarium graminearum</i> from cereals in Ontario, Canada. <i>PLoS ONE</i> , 2019, 14, e0216735.	2.5	25
29	Mycotoxin Testing Paradigm: Challenges and Opportunities for the Future. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1681-1688.	1.5	3
30	Mycotoxin Testing Paradigm: Challenges and Opportunities for the Future. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1681-1688.	1.5	15
31	Pharmaceuticals and pesticides in secondary effluent wastewater: Identification and enhanced removal by acid-activated ferrate(VI). <i>Water Research</i> , 2019, 148, 272-280.	11.3	85
32	Diagnostic fragmentation filtering for the discovery of new chaetoglobosins and cytochalasins. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 133-139.	1.5	22
33	Microbiota-Mediated Modulation of Organophosphate Insecticide Toxicity by Species-Dependent Interactions with Lactobacilli in a <i>Drosophila melanogaster</i> Insect Model. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	55
34	Promising Prebiotic Candidate Established by Evaluation of Lactitol, Lactulose, Raffinose, and Oligofructose for Maintenance of a Lactobacillus-Dominated Vaginal Microbiota. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	54
35	Uptake and phytotoxic effect of benzalkonium chlorides in <i>Lepidium sativum</i> and <i>Lactuca sativa</i> . <i>Journal of Environmental Management</i> , 2018, 206, 490-497.	7.8	18
36	Aflatoxin exposure in Nigerian children with severe acute malnutrition. <i>Food and Chemical Toxicology</i> , 2018, 111, 356-362.	3.6	92

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37	High-Throughput Quantitation of Neonicotinoids in Lyophilized Surface Water by LC-APCI-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 1940-1947.	1.5	10
38	<i>veA</i> Gene Acts as a Positive Regulator of Conidia Production, Ochratoxin A Biosynthesis, and Oxidative Stress Tolerance in <i>Aspergillus niger</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13199-13208.	5.2	24
39	MycKey Round Table Discussions of Future Directions in Research on Chemical Detection Methods, Genetics and Biodiversity of Mycotoxins. <i>Toxins</i> , 2018, 10, 109.	3.4	8
40	Pilot assessment of probiotics for pregnant women in Rwanda. <i>PLoS ONE</i> , 2018, 13, e0195081.	2.5	19
41	Spectral Counting Approach to Measure Selectivity of High-Resolution LC-MS Methods for Environmental Analysis. <i>Analytical Chemistry</i> , 2017, 89, 2747-2754.	6.5	26
42	Trienylfuranol A and trienylfuranone B: metabolites isolated from an endophytic fungus, <i>Hypoxylon submonticulosum</i> , in the raspberry <i>Rubus idaeus</i> . <i>Journal of Antibiotics</i> , 2017, 70, 721-725.	2.0	15
43	Epoxyneinanione A, nemanifuranones F, and nemanilactones C, from <i>Nemania serpens</i> , an endophytic fungus isolated from Riesling grapevines. <i>Phytochemistry</i> , 2017, 140, 16-26.	2.9	15
44	Toxicity reduction and improved biodegradability of benzalkonium chlorides by ozone/hydrogen peroxide advanced oxidation process. <i>Separation and Purification Technology</i> , 2017, 185, 72-82.	7.9	25
45	Metabolic derangements identified through untargeted metabolomics in a cross-sectional study of Nigerian children with severe acute malnutrition. <i>Metabolomics</i> , 2017, 13, 1.	3.0	20
46	Application of C8 liquid chromatography-tandem mass spectrometry for the analysis of enniatins and bassianolides. <i>Journal of Chromatography A</i> , 2017, 1508, 65-72.	3.7	16
47	Neonicotinoid-induced pathogen susceptibility is mitigated by <i>Lactobacillus plantarum</i> immune stimulation in a <i>Drosophila melanogaster</i> model. <i>Scientific Reports</i> , 2017, 7, 2703.	3.3	77
48	Metabolites of <i>Trichoderma</i> species isolated from damp building materials. <i>Canadian Journal of Microbiology</i> , 2017, 63, 621-632.	1.7	20
49	Plant growth regulator-mediated anti-herbivore responses of cabbage (<i>Brassica oleracea</i>) against cabbage looper <i>Trichoplusia ni</i> (Lepidoptera: Noctuidae). <i>Pesticide Biochemistry and Physiology</i> , 2017, 141, 9-17.	3.6	4
50	NbEXPA1, an expansin, is plasmodesmata-specific and a novel host factor for potyviral infection. <i>Plant Journal</i> , 2017, 92, 846-861.	5.7	60
51	MsmiR156 affects global gene expression and promotes root regenerative capacity and nitrogen fixation activity in alfalfa. <i>Transgenic Research</i> , 2017, 26, 541-557.	2.4	28
52	A Novel Millet-Based Probiotic Fermented Food for the Developing World. <i>Nutrients</i> , 2017, 9, 529.	4.1	53
53	Data independent acquisition-digital archiving mass spectrometry: application to single kernel mycotoxin analysis of <i>Fusarium graminearum</i> infected maize. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3083-3091.	3.7	31
54	Characterization of aromatic aminotransferases from <i>Ephedra sinica</i> Stapf. <i>Amino Acids</i> , 2016, 48, 1209-1220.	2.7	16

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55	Reduced persistence of the macrolide antibiotics erythromycin, clarithromycin and azithromycin in agricultural soil following several years of exposure in the field. <i>Science of the Total Environment</i> , 2016, 562, 136-144.	8.0	71
56	Glyoxylate cycle and metabolism of organic acids in the scutellum of barley seeds during germination. <i>Plant Science</i> , 2016, 248, 37-44.	3.6	33
57	Investigating probiotic yoghurt to reduce an aflatoxin B1 biomarker among school children in eastern Kenya: Preliminary study. <i>International Dairy Journal</i> , 2016, 63, 124-129.	3.0	29
58	Mechanistic Insight into the Biosynthesis and Detoxification of Fumonisin Mycotoxins. <i>ACS Chemical Biology</i> , 2016, 11, 2618-2625.	3.4	29
59	Probiotic <i>Lactobacillus rhamnosus</i> Reduces Organophosphate Pesticide Absorption and Toxicity to <i>Drosophila melanogaster</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 6204-6213.	3.1	83
60	Repellent and Attractive Effects of $\hat{1}\pm$, $\hat{1}^2$ -, and Dihydro- $\hat{1}^2$ - Ionone to Generalist and Specialist Herbivores. <i>Journal of Chemical Ecology</i> , 2016, 42, 107-117.	1.8	45
61	Diversity of Mycotoxin-Producing Black Aspergilli in Canadian Vineyards. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1583-1589.	5.2	24
62	A multi-platform metabolomics approach identifies highly specific biomarkers of bacterial diversity in the vagina of pregnant and non-pregnant women. <i>Scientific Reports</i> , 2015, 5, 14174.	3.3	113
63	Product ion filtering with rapid polarity switching for the detection of all fumonisins and AAL-toxins. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2131-2139.	1.5	26
64	Identification of six new <i>Alternaria</i> sulfoconjugated metabolites by high-resolution neutral loss filtering. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1805-1810.	1.5	29
65	Characterisation of antagonistic <i>Bacillus</i> and <i>Pseudomonas</i> strains for biocontrol potential and suppression of damping-off and root rot diseases. <i>Annals of Applied Biology</i> , 2015, 166, 456-471.	2.5	71
66	In vivo extraction of volatile organic compounds (VOCs) from Micro-Tom tomato flowers with multiple solid phase microextraction (SPME) fibers. <i>Canadian Journal of Chemistry</i> , 2015, 93, 143-150.	1.1	3
67	Biodegradation of benzalkonium chlorides singly and in mixtures by a <i>Pseudomonas</i> sp. isolated from returned activated sludge. <i>Journal of Hazardous Materials</i> , 2015, 299, 595-602.	12.4	44
68	Screening of Fungal Endophytes Isolated from Eastern White Pine Needles. , 2015, , 195-206.		10
69	Mycotoxins that affect the North American agri-food sector: state of the art and directions for the future. <i>World Mycotoxin Journal</i> , 2014, 7, 63-82.	1.4	34
70	Griseofulvin-producing <i>Xylaria</i> endophytes of <i>Pinus strobus</i> and <i>Vaccinium angustifolium</i> : evidence for a conifer-understorey species endophyte ecology. <i>Fungal Ecology</i> , 2014, 11, 107-113.	1.6	47
71	Effect of chemotherapy on the microbiota and metabolome of human milk, a case report. <i>Microbiome</i> , 2014, 2, 24.	11.1	81
72	New diplosporin and agistatine derivatives produced by the fungal endophyte <i>Xylaria</i> sp. isolated from <i>Vitis labrusca</i> . <i>Phytochemistry Letters</i> , 2014, 9, 179-183.	1.2	6

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73	A Systems Biology Approach Investigating the Effect of Probiotics on the Vaginal Microbiome and Host Responses in a Double Blind, Placebo-Controlled Clinical Trial of Post-Menopausal Women. PLoS ONE, 2014, 9, e104511.	2.5	55
74	Inhibition of Phytophthora species by secondary metabolites produced by the dark septate endophyte Phialocephala europaea. Fungal Ecology, 2013, 6, 12-18.	1.6	50
75	New azaphilones from Chaetomium globosum isolated from the built environment. Tetrahedron Letters, 2013, 54, 568-572.	1.4	25
76	Persistence and dissipation pathways of the antidepressant sertraline in agricultural soils. Science of the Total Environment, 2013, 452-453, 296-301.	8.0	12
77	Chaetoglobosins and azaphilones produced by Canadian strains of Chaetomium globosum isolated from the indoor environment. Mycotoxin Research, 2013, 29, 47-54.	2.3	30
78	Aflatoxin, Fumonisin and Shiga Toxin-Producing Escherichia coli Infections in Calves and the Effectiveness of Celmanax®/Dairyman's Choice®, Applications to Eliminate Morbidity and Mortality Losses. Toxins, 2013, 5, 1872-1895.	3.4	18
79	Persistence of the tricyclic antidepressant drugs amitriptyline and nortriptyline in agriculture soils. Environmental Toxicology and Chemistry, 2013, 32, 509-516.	4.3	35
80	Accelerated Biodegradation of Veterinary Antibiotics in Agricultural Soil following Long-Term Exposure, and Isolation of a Sulfamethazine-degrading <i>Microbacterium</i> sp.. Journal of Environmental Quality, 2013, 42, 173-178.	2.0	126
81	The antihistamine diphenhydramine is extremely persistent in agricultural soil. Science of the Total Environment, 2012, 439, 136-140.	8.0	20
82	Characterization of (16R) and (16S)-hydroxyroquefortine C; diastereomeric metabolites from Penicillium crustosum DAOM 215343. Tetrahedron Letters, 2012, 53, 956-958.	1.4	11
83	Antifungal metabolites from fungal endophytes of Pinus strobus. Phytochemistry, 2011, 72, 1833-1837.	2.9	68
84	Secondary metabolites from anti-insect extracts of endophytic fungi isolated from Picea rubens. Phytochemistry, 2010, 71, 760-765.	2.9	73
85	Anti-Insect Secondary Metabolites from Fungal Endophytes of Conifer Trees. Natural Product Communications, 2009, 4, 1934578X0900401.	0.5	14
86	Horizontal transmission of the Picea glauca foliar endophyte Phialocephala scopiformis CBS 120377. Fungal Ecology, 2009, 2, 98-101.	1.6	29
87	Anti-insect secondary metabolites from fungal endophytes of conifer trees. Natural Product Communications, 2009, 4, 1497-504.	0.5	23
88	Effect of a Rugulosin-producing Endophyte in Picea glauca on Choristoneura fumiferana. Journal of Chemical Ecology, 2008, 34, 362-368.	1.8	70
89	Spread and persistence of a rugulosin-producing endophyte in Picea glauca seedlings. Mycological Research, 2008, 112, 731-736.	2.5	54
90	Characterization of Polyketide Metabolites from Foliar Endophytes of <i>Picea glauca</i> . Journal of Natural Products, 2008, 71, 1393-1398.	3.0	72

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91	Isolation and Structure Elucidation by LC-MS-SPE/NMR: PR Toxin- and Cuspidatol-Related Eremophilane Sesquiterpenes from <i>Penicillium roqueforti</i> . <i>Journal of Natural Products</i> , 2007, 70, 121-123.	3.0	40
92	Production of Metabolites from the <i>Penicillium roqueforti</i> Complex. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5216-5216.	5.2	2
93	Production of Metabolites from the <i>Penicillium roqueforti</i> Complex. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3756-3763.	5.2	89
94	Measurement of a rugulosin-producing endophyte in white spruce seedlings. <i>Mycologia</i> , 2005, 97, 770-776.	1.9	14
95	Measurement of a rugulosin-producing endophyte in white spruce seedlings. <i>Mycologia</i> , 2005, 97, 770-776.	1.9	27
96	Isolation and metabolite production by <i>Penicillium roqueforti</i> , <i>P. paneum</i> and <i>P. crustosum</i> isolated in Canada. <i>Mycopathologia</i> , 2005, 159, 571-577.	3.1	56
97	A survey of xerophilic <i>Aspergillus</i> from indoor environment, including descriptions of two new section <i>Aspergillus</i> species producing eurotium-like sexual states. <i>MycKeys</i> , 0, 19, 1-30.	1.9	32