

Marshall D Mcdaniel

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,065
citations

218677

26
h-index

168389

53
g-index

61
all docs

61
docs citations

61
times ranked

3029
citing authors

#	ARTICLE	IF	CITATIONS
1	Does agricultural crop diversity enhance soil microbial biomass and organic matter dynamics? A meta-analysis. <i>Ecological Applications</i> , 2014, 24, 560-570.	3.8	511
2	Crop rotational diversity enhances belowground communities and functions in an agroecosystem. <i>Ecology Letters</i> , 2015, 18, 761-771.	6.4	485
3	Basic Data Related to the Natural History of Intermittent Claudication. <i>Annals of Vascular Surgery</i> , 1989, 3, 273-277.	0.9	227
4	Crop rotational diversity increases disease suppressive capacity of soil microbiomes. <i>Ecosphere</i> , 2018, 9, e02235.	2.2	134
5	Crop rotation complexity regulates the decomposition of high and low quality residues. <i>Soil Biology and Biochemistry</i> , 2014, 78, 243-254.	8.8	133
6	Percutaneous Trigeminal Nerve Compression for Treatment of Trigeminal Neuralgia. <i>Neurosurgery</i> , 1993, 32, 570-573.	1.1	129
7	Cover crop root contributions to soil carbon in a no-till corn bioenergy cropping system. <i>GCB Bioenergy</i> , 2017, 9, 1252-1263.	5.6	123
8	Two-dimensional ultrasonic tissue characterization: backscatter power, endocardial wall motion, and their phase relationship for normal, ischemic, and infarcted myocardium.. <i>Circulation</i> , 1987, 76, 850-859.	1.6	89
9	Soil respiration and litter decomposition responses to nitrogen fertilization rate in no-till corn systems. <i>Agriculture, Ecosystems and Environment</i> , 2013, 179, 35-40.	5.3	84
10	The effect of peripheral vascular disease on in-hospital mortality rates with coronary artery bypass surgery. <i>Journal of Vascular Surgery</i> , 1995, 21, 445-452.	1.1	80
11	Soil microbial biomass and function are altered by 12 years of crop rotation. <i>Soil</i> , 2016, 2, 583-599.	4.9	64
12	An evaluation of carbon indicators of soil health in long-term agricultural experiments. <i>Soil Biology and Biochemistry</i> , 2022, 172, 108708.	8.8	63
13	Increased temperature and precipitation had limited effects on soil extracellular enzyme activities in a post-harvest forest. <i>Soil Biology and Biochemistry</i> , 2013, 56, 90-98.	8.8	61
14	Water-saving irrigation is a "win-win" management strategy in rice paddies " With both reduced greenhouse gas emissions and enhanced water use efficiency. <i>Agricultural Water Management</i> , 2020, 228, 105889.	5.6	61
15	Soil Greenhouse Gas and Ammonia Emissions in Long-term Maize-Based Cropping Systems. <i>Soil Science Society of America Journal</i> , 2010, 74, 1623-1634.	2.2	60
16	Limb Salvage Despite Extensive Tissue Loss. <i>Archives of Surgery</i> , 1989, 124, 609.	2.2	58
17	Relationships between Benthic Sediments and Water Column Phosphorus in Illinois Streams. <i>Journal of Environmental Quality</i> , 2009, 38, 607-617.	2.0	56
18	The Effect of Peripheral Vascular Disease on Long-term Mortality After Coronary Artery Bypass Surgery. <i>Archives of Surgery</i> , 1996, 131, 316.	2.2	44

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19	The Effect of Land-Use Change on Soil CH ₄ and N ₂ O Fluxes: A Global Meta-Analysis. <i>Ecosystems</i> , 2019, 22, 1424-1443.	3.4	41
20	Objective analysis of factors contributing to failure of tibial bypass grafts. <i>World Journal of Surgery</i> , 1983, 7, 347-352.	1.6	35
21	Soil health recovery after grassland reestablishment on cropland: The effects of time and topographic position. <i>Soil Science Society of America Journal</i> , 2020, 84, 568-586.	2.2	35
22	Extended outcome assessment in the care of vascular diseases: Revising the paradigm for the 21st century. <i>Journal of Vascular Surgery</i> , 2000, 32, 1239-1250.	1.1	34
23	Regenerating Agricultural Landscapes with Perennial Groundcover for Intensive Crop Production. <i>Agronomy</i> , 2019, 9, 458.	3.0	34
24	Carbon-sensitive pedotransfer functions for plant available water. <i>Soil Science Society of America Journal</i> , 2022, 86, 612-629.	2.2	33
25	Flow cytometric assessment of platelet function in patients with peripheral arterial occlusive disease. <i>Journal of Vascular Surgery</i> , 1991, 14, 747-756.	1.1	31
26	Cost-effectiveness of Intra-arterial Thrombolytic Therapy. <i>Archives of Surgery</i> , 1988, 123, 1218.	2.2	29
27	Eleven years of crop diversification alters decomposition dynamics of litter mixtures incubated with soil. <i>Ecosphere</i> , 2016, 7, e01426.	2.2	25
28	Sediment phosphorus buffering in streams at baseflow: A meta-analysis. <i>Journal of Environmental Quality</i> , 2021, 50, 287-311.	2.0	24
29	Combination of biological and chemical soil tests best predict maize nitrogen response. <i>Agronomy Journal</i> , 2020, 112, 1263-1278.	1.8	21
30	No-tillage effects on soil CH ₄ fluxes: A meta-analysis. <i>Soil and Tillage Research</i> , 2021, 212, 105042.	5.6	21
31	Do "hot moments" become hotter under climate change? Soil nitrogen dynamics from a climate manipulation experiment in a post-harvest forest. <i>Biogeochemistry</i> , 2014, 121, 339-354.	3.5	18
32	Climate change interactions affect soil carbon dioxide efflux and microbial functioning in a post-harvest forest. <i>Oecologia</i> , 2014, 174, 1437-1448.	2.0	18
33	Resonant Sensors for Low-Cost, Contact-Free Measurement of Hydrolytic Enzyme Activity in Closed Systems. <i>ACS Sensors</i> , 2018, 3, 1489-1498.	7.8	18
34	Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. <i>Soil Science Society of America Journal</i> , 2022, 86, 1206-1226.	2.2	18
35	Effect of a Selective Thromboxane Synthase Inhibitor on Arterial Graft Patency and Platelet Deposition in Dogs. <i>Archives of Surgery</i> , 1987, 122, 887.	2.2	16
36	Microclimate and ecological threshold responses in a warming and wetting experiment following whole tree harvest. <i>Theoretical and Applied Climatology</i> , 2014, 116, 287-299.	2.8	16

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37	Inexpensive Near-Infrared Fluorimeters: Enabling Translation of nIR-Based Assays to the Field. <i>Analytical Chemistry</i> , 2021, 93, 4800-4808.	6.5	15
38	Comprehensive impacts of diversified cropping on soil health and sustainability. <i>Agroecology and Sustainable Food Systems</i> , 2022, 46, 331-363.	1.9	14
39	Efficacy of muscle flaps in the treatment of prosthetic vascular graft infections. <i>Journal of Surgical Research</i> , 1988, 44, 566-572.	1.6	13
40	Farmer perspectives on benefits of and barriers to extended crop rotations in Iowa, USA. <i>Agricultural and Environmental Letters</i> , 2021, 6, e20049.	1.2	12
41	Soil net nitrogen mineralization and leaching under <i>Miscanthus</i> and <i>Zea mays</i> . <i>GCB Bioenergy</i> , 2021, 13, 1545-1560.	5.6	12
42	Indirect revascularization of the lower extremity by means of microvascular free-muscle flap—A preliminary report. <i>Journal of Vascular Surgery</i> , 1991, 14, 829-830.	1.1	8
43	Great expectations: stress and the medical family. 1987 Committee on issues, association for academic surgery. <i>Journal of Surgical Research</i> , 1989, 47, 379-382.	1.6	7
44	Intragraft drug infusion as an adjunct to balloon catheter thrombectomy for salvage of thrombosed infragenicular vein grafts: A preliminary report. <i>Journal of Vascular Surgery</i> , 1990, 11, 753-760.	1.1	7
45	Coupling Biogeochemistry and Hydrogeology to Advance Carbon and Nitrogen Cycling Science. , 2012, , 711-735.		6
46	Assessing biological soil health through decomposition of inexpensive household items. <i>Applied Soil Ecology</i> , 2021, 168, 104099.	4.3	6
47	Reuniting the Three Sisters: collaborative science with Native growers to improve soil and community health. <i>Agriculture and Human Values</i> , 2023, 40, 65-82.	3.0	6
48	Science-based maize stover removal can be sustainable. <i>Agronomy Journal</i> , 2021, 113, 3178-3192.	1.8	5
49	Evaluation of Humic Fertilizers Applied at Full and Reduced Nitrogen Rates on Kentucky Bluegrass Quality and Soil Health. <i>Agronomy</i> , 2021, 11, 395.	3.0	4
50	Crude glycerol, a biodiesel byproduct, used as a soil amendment to temporarily immobilise and then release nitrogen. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	4
51	Lack of diameter effect on short-term patency of size-matched Dacron aortobifemoral grafts. <i>Journal of Vascular Surgery</i> , 1991, 13, 785-791.	1.1	3
52	Plant-available soil nitrogen fluxes and turfgrass quality of Kentucky bluegrass fertilized with humic substances. <i>Crop Science</i> , 0, , .	1.8	2
53	MetaFunPrimer: an Environment-Specific, High-Throughput Primer Design Tool for Improved Quantification of Target Genes. <i>MSystems</i> , 2021, 6, e0020121.	3.8	2
54	Interventionalists'™ Guide to the Patient's Experience of Lower Extremity Arterial Occlusive Disease. <i>Journal of Vascular and Interventional Radiology</i> , 1995, 6, 30S-35S.	0.5	1

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55	Disproportionate CH ₄ Sink Strength from an Endemic, Sub-Alpine Australian Soil Microbial Community. <i>Microorganisms</i> , 2021, 9, 606.	3.6	1
56	Evaluation of humic fertilizers on a sand-based creeping bentgrass putting green. <i>Crop Science</i> , 2021, 61, 3734-3745.	1.8	0
57	The effect of thromboxane receptor blockade versus thromboxane synthase inhibition on canine arterial graft patency. <i>Journal of Vascular Surgery</i> , 1990, 12, 119-125.	1.1	0
58	A random forest algorithm to understand the regulating factors for tea leaf decomposition in agroecosystems. , 2022, , .		0