

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	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
2	Comprehensive impacts of diversified cropping on soil health and sustainability. <i>Agroecology and Sustainable Food Systems</i> , 2022, 46, 331-363.	1.9	14
3	Carbon-sensitive pedotransfer functions for plant available water. <i>Soil Science Society of America Journal</i> , 2022, 86, 612-629.	2.2	33
4	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
5	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
6	A random forest algorithm to understand the regulating factors for tea leave decomposition in agroecosystems. , 2022, , .		0
7	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
8	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
9	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
10	Inexpensive Near-Infrared Fluorimeters: Enabling Translation of nIR-Based Assays to the Field. <i>Analytical Chemistry</i> , 2021, 93, 4800-4808.	6.5	15
11	Disproportionate CH ₄ Sink Strength from an Endemic, Sub-Alpine Australian Soil Microbial Community. <i>Microorganisms</i> , 2021, 9, 606.	3.6	1
12	Sediment phosphorus buffering in streams at baseflow: A meta-analysis. <i>Journal of Environmental Quality</i> , 2021, 50, 287-311.	2.0	24
13	Science-based maize stover removal can be sustainable. <i>Agronomy Journal</i> , 2021, 113, 3178-3192.	1.8	5
14	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
15	Evaluation of humic fertilizers on a sand-based creeping bentgrass putting green. <i>Crop Science</i> , 2021, 61, 3734-3745.	1.8	0
16	No-tillage effects on soil CH ₄ fluxes: A meta-analysis. <i>Soil and Tillage Research</i> , 2021, 212, 105042.	5.6	21
17	MetaFunPrimer: an Environment-Specific, High-Throughput Primer Design Tool for Improved Quantification of Target Genes. <i>MSystems</i> , 2021, 6, e0020121.	3.8	2
18	Assessing biological soil health through decomposition of inexpensive household items. <i>Applied Soil Ecology</i> , 2021, 168, 104099.	4.3	6

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19	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
20	Combination of biological and chemical soil tests best predict maize nitrogen response. <i>Agronomy Journal</i> , 2020, 112, 1263-1278.	1.8	21
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	Regenerating Agricultural Landscapes with Perennial Groundcover for Intensive Crop Production. <i>Agronomy</i> , 2019, 9, 458.	3.0	34
23	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
24	Crop rotational diversity increases disease suppressive capacity of soil microbiomes. <i>Ecosphere</i> , 2018, 9, e02235.	2.2	134
25	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
26	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
27	Soil microbial biomass and function are altered by 12 years of crop rotation. <i>Soil</i> , 2016, 2, 583-599.	4.9	64
28	Eleven years of crop diversification alters decomposition dynamics of litter mixtures incubated with soil. <i>Ecosphere</i> , 2016, 7, e01426.	2.2	25
29	Crop rotational diversity enhances belowground communities and functions in an agroecosystem. <i>Ecology Letters</i> , 2015, 18, 761-771.	6.4	485
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Coupling Biogeochemistry and Hydrogeology to Advance Carbon and Nitrogen Cycling Science. , 2012, , 711-735.		6
38	Soil Greenhouse Gas and Ammonia Emissions in Long-term Maize-Based Cropping Systems. Soil Science Society of America Journal, 2010, 74, 1623-1634.	2.2	60
39	Relationships between Benthic Sediments and Water Column Phosphorus in Illinois Streams. Journal of Environmental Quality, 2009, 38, 607-617.	2.0	56
40	Extended outcome assessment in the care of vascular diseases: Revising the paradigm for the 21st century. Journal of Vascular Surgery, 2000, 32, 1239-1250.	1.1	34
41	The Effect of Peripheral Vascular Disease on Long-term Mortality After Coronary Artery Bypass Surgery. Archives of Surgery, 1996, 131, 316.	2.2	44
42	The effect of peripheral vascular disease on in-hospital mortality rates with coronary artery bypass surgery. Journal of Vascular Surgery, 1995, 21, 445-452.	1.1	80
43	Interventionalists'™ Guide to the Patient's Experience of Lower Extremity Arterial Occlusive Disease. Journal of Vascular and Interventional Radiology, 1995, 6, 30S-35S.	0.5	1
44	Percutaneous Trigeminal Nerve Compression for Treatment of Trigeminal Neuralgia. Neurosurgery, 1993, 32, 570-573.	1.1	129
45	Indirect revascularization of the lower extremity by means of microvascular free-muscle flap" A preliminary report. Journal of Vascular Surgery, 1991, 14, 829-830.	1.1	8
46	Flow cytometric assessment of platelet function in patients with peripheral arterial occlusive disease. Journal of Vascular Surgery, 1991, 14, 747-756.	1.1	31
47	Lack of diameter effect on short-term patency of size-matched Dacron aortobifemoral grafts. Journal of Vascular Surgery, 1991, 13, 785-791.	1.1	3
48	Intra-graft drug infusion as an adjunct to balloon catheter thrombectomy for salvage of thrombosed infragenicular vein grafts: A preliminary report. Journal of Vascular Surgery, 1990, 11, 753-760.	1.1	7
49	The effect of thromboxane receptor blockade versus thromboxane synthase inhibition on canine arterial graft patency. Journal of Vascular Surgery, 1990, 12, 119-125.	1.1	0
50	Limb Salvage Despite Extensive Tissue Loss. Archives of Surgery, 1989, 124, 609.	2.2	58
51	Basic Data Related to the Natural History of Intermittent Claudication. Annals of Vascular Surgery, 1989, 3, 273-277.	0.9	227
52	Great expectations: stress and the medical family. 1987 Committee on issues, association for academic surgery. Journal of Surgical Research, 1989, 47, 379-382.	1.6	7
53	Efficacy of muscle flaps in the treatment of prosthetic vascular graft infections. Journal of Surgical Research, 1988, 44, 566-572.	1.6	13
54	Cost-effectiveness of Intra-arterial Thrombolytic Therapy. Archives of Surgery, 1988, 123, 1218.	2.2	29

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55	Effect of a Selective Thromboxane Synthase Inhibitor on Arterial Graft Patency and Platelet Deposition in Dogs. Archives of Surgery, 1987, 122, 887.	2.2	16
56	Two-dimensional ultrasonic tissue characterization: backscatter power, endocardial wall motion, and their phase relationship for normal, ischemic, and infarcted myocardium.. Circulation, 1987, 76, 850-859.	1.6	89
57	Objective analysis of factors contributing to failure of tibial bypass grafts. World Journal of Surgery, 1983, 7, 347-352.	1.6	35
58	Plantâ€available soil nitrogen fluxes and turfgrass quality of kentucky bluegrass fertilized with humic substances. Crop Science, 0, , .	1.8	2