

# Mehran Rezaei Rashti

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

877  
citations

516710

16  
h-index

501196

28  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Responses of soil nutrients and microbial activity to the mill-mud application in a compaction-affected sugarcane field. <i>Soil Research</i> , 2022, 60, 385-398.	1.1	3
2	Soil organic matter and geochemical characteristics shape microbial community composition and structure across different land uses in an Australian wet tropical catchment. <i>Land Degradation and Development</i> , 2022, 33, 817-831.	3.9	11
3	Variation entry of sediment, organic matter and different forms of phosphorus and nitrogen in flood and normal events in the Anzali wetland. <i>Journal of Water and Climate Change</i> , 2022, 13, 434-450.	2.9	4
4	Greenhouse gas emissions from stormwater bioretention basins. <i>Ecological Engineering</i> , 2021, 159, 106120.	3.6	11
5	Bioavailability and eco-toxicity of heavy metals in chars produced from municipal sewage sludge decreased during pyrolysis and hydrothermal carbonization. <i>Ecological Engineering</i> , 2021, 162, 106173.	3.6	23
6	Soil organic matter formation is controlled by the chemistry and bioavailability of organic carbon inputs across different land uses. <i>Science of the Total Environment</i> , 2021, 770, 145307.	8.0	25
7	Application of Rice Husk Biochar for Achieving Sustainable Agriculture and Environment. <i>Rice Science</i> , 2021, 28, 325-343.	3.9	47
8	The stoichiometric signature of high-frequency fire in forest floor food webs. <i>Ecological Monographs</i> , 2021, 91, e01477.	5.4	1
9	Effects of Biochar on Pulse C and N Cycling After a Short-term Drought: a Laboratory Study. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 2815-2825.	3.4	2
10	Soil greenhouse gas fluxes from tropical coastal wetlands and alternative agricultural land uses. <i>Biogeosciences</i> , 2021, 18, 5085-5096.	3.3	9
11	Effects of biochar application on soil nitrogen transformation, microbial functional genes, enzyme activity, and plant nitrogen uptake: A meta-analysis of field studies. <i>GCB Bioenergy</i> , 2021, 13, 1859-1873.	5.6	43
12	The multi-element stoichiometry of wet eucalypt forest is transformed by recent, frequent fire. <i>Plant and Soil</i> , 2020, 447, 447-461.	3.7	9
13	Long-Term Fire Regime Modifies Carbon and Nutrient Dynamics in Decomposing <i>Eucalyptus pilularis</i> Leaf Litter. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	2.3	8
14	Tracing the sources of sediment and associated particulate nitrogen from different land uses in the Johnstone River catchment, Wet Tropics, north-eastern Australia. <i>Marine Pollution Bulletin</i> , 2020, 157, 111344.	5.0	6
15	Organic waste from sugar mills as a potential soil ameliorant to minimise herbicide runoff to the Great Barrier Reef. <i>Science of the Total Environment</i> , 2020, 713, 136640.	8.0	8
16	Stoichiometric control on riparian wetland carbon and nutrient dynamics under different land uses. <i>Science of the Total Environment</i> , 2019, 697, 134127.	8.0	10
17	The stoichiometric legacy of fire regime regulates the roles of microorganisms and invertebrates in decomposition. <i>Ecology</i> , 2019, 100, e02732.	3.2	35
18	Energetic efficiency and temperature sensitivity of soil heterotrophic respiration vary with decadal-scale fire history in a wet sclerophyll forest. <i>Soil Biology and Biochemistry</i> , 2019, 134, 62-71.	8.8	10

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19	Spatial and temporal dynamics of nutrients in riparian soils after nine years of operation of the Three Gorges Reservoir, China. <i>Science of the Total Environment</i> , 2019, 664, 841-850.	8.0	52
20	Rhizosphere management by biochar and leaching improved plant performance in fresh bauxite residue sand. <i>Journal of Cleaner Production</i> , 2019, 219, 66-74.	9.3	14
21	A novel approach of combining isotopic and geochemical signatures to differentiate the sources of sediments and particulate nutrients from different land uses. <i>Science of the Total Environment</i> , 2019, 655, 129-140.	8.0	23
22	Linking feedstock and application rate of biochars to N <sub>2</sub> O emission in a sandy loam soil: Potential mechanisms. <i>Geoderma</i> , 2019, 337, 880-892.	5.1	31
23	Aged biochar alters nitrogen pathways in bauxite-processing residue sand: Environmental impact and biogeochemical mechanisms. <i>Environmental Pollution</i> , 2019, 247, 438-446.	7.5	8
24	Biochar amendment and water stress alter rhizosphere carbon and nitrogen budgets in bauxite-processing residue sand under rehabilitation. <i>Journal of Environmental Management</i> , 2019, 230, 446-455.	7.8	14
25	Subsoil application of compost improved sugarcane yield through enhanced supply and cycling of soil labile organic carbon and nitrogen in an acidic soil at tropical Australia. <i>Soil and Tillage Research</i> , 2018, 180, 73-81.	5.6	33
26	High-frequency fire alters soil and plant chemistry but does not lead to nitrogen-limited growth of <i>Eucalyptus pilularis</i> seedlings. <i>Plant and Soil</i> , 2018, 432, 191-205.	3.7	5
27	Liming improves soil microbial growth, but trash blanket placement increases labile carbon and nitrogen availability in a sugarcane soil of subtropical Australia. <i>Soil Research</i> , 2018, 56, 235.	1.1	9
28	Influence of storage and drying methods on invertebrate elemental and isotopic measurements. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 2231-2237.	1.4	4
29	High pyrolysis temperature biochars reduce nitrogen availability and nitrous oxide emissions from an acid soil. <i>GCB Bioenergy</i> , 2018, 10, 930-945.	5.6	22
30	Assessment of N <sub>2</sub> O emissions from a fertilised vegetable cropping soil under different plant residue management strategies using <sup>15</sup> N tracing techniques. <i>Science of the Total Environment</i> , 2017, 598, 479-487.	8.0	34
31	Role of oxygen-containing functional groups in forest fire-generated and pyrolytic chars for immobilization of copper and nickel. <i>Environmental Pollution</i> , 2017, 220, 946-954.	7.5	8
32	Aged acidic biochar increases nitrogen retention and decreases ammonia volatilization in alkaline bauxite residue sand. <i>Ecological Engineering</i> , 2017, 98, 157-165.	3.6	90
33	Stoichiometric ratio of dissolved organic carbon to nitrate regulates nitrous oxide emission from the biochar-amended soils. <i>Science of the Total Environment</i> , 2017, 576, 559-571.	8.0	64
34	Linking chemical and biochemical composition of plant materials to their effects on N <sub>2</sub> O emissions from a vegetable soil. <i>Soil Biology and Biochemistry</i> , 2016, 103, 502-511.	8.8	14
35	Fertiliser-induced nitrous oxide emissions from vegetable production in the world and the regulating factors: A review. <i>Atmospheric Environment</i> , 2015, 112, 225-233.	4.1	93
36	Strategies to mitigate greenhouse gas emissions in intensively managed vegetable cropping systems in subtropical Australia. <i>Soil Research</i> , 2015, 53, 475.	1.1	13

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37	Cadmium desorption behaviour in selected sub-tropical soils: Effects of soil properties. Journal of Geochemical Exploration, 2014, 144, 230-236.	3.2	36
38	Effects of soil properties on phosphorus fractions in subtropical soils of Iran. Journal of Soil Science and Plant Nutrition, 2013, , 0-0.	3.4	8
39	Nitrogen use efficiency of bread wheat: Effects of nitrogen rate and time of application. Journal of Soil Science and Plant Nutrition, 2012, , 0-0.	3.4	23
40	The Role of CEC and pH in Cd Retention from Soils of North of Iran. Soil and Sediment Contamination, 2011, 20, 908-920.	1.9	14