

Mohammad Shahid

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/938474/publications.pdf>

Version: 2024-02-01

70
papers

2,230
citations

218381

26
h-index

243296

44
g-index

70
all docs

70
docs citations

70
times ranked

2528
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation of functional diversity of soil microbial community in sub-humid tropical rice-rice cropping system under long-term organic and inorganic fertilization. <i>Ecological Indicators</i> , 2017, 73, 536-543.	2.6	139
2	Soil aggregation and distribution of carbon and nitrogen in different fractions after 41 years long-term fertilizer experiment in tropical rice-rice system. <i>Geoderma</i> , 2014, 213, 280-286.	2.3	136
3	Continuous application of inorganic and organic fertilizers over 47 years in paddy soil alters the bacterial community structure and its influence on rice production. <i>Agriculture, Ecosystems and Environment</i> , 2018, 262, 65-75.	2.5	120
4	Effect of fly ash application on soil microbial response and heavy metal accumulation in soil and rice plant. <i>Ecotoxicology and Environmental Safety</i> , 2015, 114, 257-262.	2.9	101
5	Carbon and nitrogen mineralization kinetics in soil of rice-rice system under long term application of chemical fertilizers and farmyard manure. <i>European Journal of Soil Biology</i> , 2013, 58, 113-121.	1.4	94
6	Current and emerging methodologies for estimating carbon sequestration in agricultural soils: A review. <i>Science of the Total Environment</i> , 2019, 665, 890-912.	3.9	88
7	Greenhouse gas emission in relation to labile soil C, N pools and functional microbial diversity as influenced by 39 years long-term fertilizer management in tropical rice. <i>Soil and Tillage Research</i> , 2013, 129, 93-105.	2.6	85
8	Energy and carbon budgeting of tillage for environmentally clean and resilient soil health of rice-maize cropping system. <i>Journal of Cleaner Production</i> , 2019, 226, 815-830.	4.6	72
9	Carbon and nitrogen fractions and stocks under 41 years of chemical and organic fertilization in a sub-humid tropical rice soil. <i>Soil and Tillage Research</i> , 2017, 170, 136-146.	2.6	70
10	Delineation of soil management zones for a rice cultivated area in eastern India using fuzzy clustering. <i>Catena</i> , 2015, 133, 128-136.	2.2	67
11	Long-term effects of fertilizer and manure applications on soil quality and yields in a sub-humid tropical rice-rice system. <i>Soil Use and Management</i> , 2013, 29, 322-332.	2.6	66
12	Micronutrients (Fe, Mn, Zn and Cu) balance under long-term application of fertilizer and manure in a tropical rice-rice system. <i>Journal of Soils and Sediments</i> , 2016, 16, 737-747.	1.5	60
13	Comparative assessment of urea briquette applicators on greenhouse gas emission, nitrogen loss and soil enzymatic activities in tropical lowland rice. <i>Agriculture, Ecosystems and Environment</i> , 2018, 252, 178-190.	2.5	58
14	Effects of 42-year long-term fertilizer management on soil phosphorus availability, fractionation, adsorption-desorption isotherm and plant uptake in flooded tropical rice. <i>Crop Journal</i> , 2015, 3, 387-395.	2.3	57
15	Characterizing spatial variability of soil properties in salt affected coastal India using geostatistics and kriging. <i>Arabian Journal of Geosciences</i> , 2015, 8, 10693-10703.	0.6	55
16	Dynamics of soil organic carbon mineralization and C fractions in paddy soil on application of rice husk biochar. <i>Biomass and Bioenergy</i> , 2018, 115, 1-9.	2.9	46
17	Ecological mechanism and diversity in rice based integrated farming system. <i>Ecological Indicators</i> , 2018, 91, 359-375.	2.6	45
18	Impairment of soil health due to fly ash-fugitive dust deposition from coal-fired thermal power plants. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 679.	1.3	42

#	ARTICLE	IF	CITATIONS
19	Combined application of rice husk biochar and fly ash improved the yield of lowland rice. <i>Soil Research</i> , 2016, 54, 451.	0.6	39
20	Efficiency of Phosphogypsum and Mined Gypsum in Reclamation and Productivity of Rice-Wheat Cropping System in Sodic Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 909-921.	0.6	38
21	Effect of Fly Ash Deposition on Photosynthesis, Growth and Yield of Rice. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 106-112.	1.3	37
22	Impact of integrated nutrient management options on GHG emission, N loss and N use efficiency of low land rice. <i>Soil and Tillage Research</i> , 2020, 200, 104616.	2.6	37
23	Submergence tolerance in relation to application time of nitrogen and phosphorus in rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlook 35	2.0	35
24	Metagenomic assessment of methane production-oxidation and nitrogen metabolism of long term manured systems in lowland rice paddy. <i>Science of the Total Environment</i> , 2017, 586, 1245-1253.	3.9	32
25	Crop and varietal diversification of rainfed rice based cropping systems for higher productivity and profitability in Eastern India. <i>PLoS ONE</i> , 2017, 12, e0175709.	1.1	31
26	Crop establishment and nitrogen management affect greenhouse gas emission and biological activity in tropical rice production. <i>Ecological Engineering</i> , 2017, 104, 80-98.	1.6	28
27	Microbial Biomass and Carbon Mineralization in Agricultural Soils as Affected by Pesticide Addition. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 538-542.	1.3	27
28	Role of silica and nitrogen interaction in submergence tolerance of rice. <i>Environmental and Experimental Botany</i> , 2016, 125, 98-109.	2.0	27
29	Identification of energy and carbon efficient cropping system for ecological sustainability of rice fallow. <i>Ecological Indicators</i> , 2020, 115, 106431.	2.6	27
30	Measuring potassium fractions is not sufficient to assess the long-term impact of fertilization and manuring on soil's potassium supplying capacity. <i>Journal of Soils and Sediments</i> , 2018, 18, 1806-1820.	1.5	26
31	Ecosystem services in different agro-climatic zones in eastern India: impact of land use and land cover change. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 98.	1.3	24
32	Post-flood nitrogen and basal phosphorus management affects survival, metabolic changes and anti-oxidant enzyme activities of submerged rice (<i>Oryza sativa</i>). <i>Functional Plant Biology</i> , 2014, 41, 1284.	1.1	23
33	Boron application improves yield of rice cultivars under high temperature stress during vegetative and reproductive stages. <i>International Journal of Biometeorology</i> , 2018, 62, 1375-1387.	1.3	22
34	Field-specific nutrient management using Rice Crop Manager decision support tool in Odisha, India. <i>Field Crops Research</i> , 2019, 241, 107578.	2.3	22
35	Combined effects of elevated CO ₂ , N fertilizer and water deficit stress on diazotrophic community in sub-humid tropical paddy soil. <i>Applied Soil Ecology</i> , 2020, 155, 103682.	2.1	21
36	Weed seed bank diversity and community shift in a four-decade-old fertilization experiment in rice-rice system. <i>Ecological Engineering</i> , 2016, 86, 135-145.	1.6	20

#	ARTICLE	IF	CITATIONS
37	Effect of Nutrient Application on Growth, Metabolic and Enzymatic Activities of Rice Seedlings During Flooding Stress and Subsequent Reaeration. <i>Journal of Agronomy and Crop Science</i> , 2015, 201, 138-151.	1.7	19
38	Nitrate leaching, nitrous oxide emission and N use efficiency of aerobic rice under different N application strategy. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 465-479.	1.3	19
39	Inter-relationship between intercepted radiation and rice yield influenced by transplanting time, method, and variety. <i>International Journal of Biometeorology</i> , 2019, 63, 337-349.	1.3	18
40	Agronomic manipulations can enhance the productivity of anaerobic tolerant rice sown in flooded soils in rainfed areas. <i>Field Crops Research</i> , 2018, 220, 105-116.	2.3	17
41	Monitoring of meteorological drought and its impact on rice (<i>Oryza sativa</i> L.) productivity in Odisha using standardized precipitation index. <i>Archives of Agronomy and Soil Science</i> , 2014, 60, 1701-1715.	1.3	15
42	Effect of simulated flash flooding on rice and its recovery after flooding with nutrient management strategies. <i>Ecological Engineering</i> , 2015, 77, 250-256.	1.6	15
43	Low carbon resource conservation techniques for energy savings, carbon gain and lowering GHGs emission in lowland transplanted rice. <i>Soil and Tillage Research</i> , 2017, 174, 45-57.	2.6	15
44	Silicon enhances yield and nitrogen use efficiency of tropical low land rice. <i>Agronomy Journal</i> , 2020, 112, 758-771.	0.9	15
45	Characterization of land surface energy fluxes in a tropical lowland rice paddy. <i>Theoretical and Applied Climatology</i> , 2019, 136, 157-168.	1.3	14
46	Fly Ash Addition Affects Microbial Biomass and Carbon Mineralization in Agricultural Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 160-164.	1.3	13
47	Mitigation of Iron Toxicity and Iron, Zinc, and Manganese Nutrition of Wetland Rice Cultivars (<i>Oryza sativa</i> L.) Grown in Iron-Toxic Soil. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1604-1609.	0.7	13
48	Long-term effect of rice-based farming systems on soil health. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 296.	1.3	13
49	Forecasting Rice Productivity and Production of Odisha, India, Using Autoregressive Integrated Moving Average Models. <i>Advances in Agriculture</i> , 2014, 2014, 1-9.	0.3	12
50	Beneficial effects of potassium application in improving submergence tolerance of rice (<i>Oryza sativa</i>) Tj ETQq0 0 0,rgBT /Overlock 10 TF	2.8	12
51	Impact of Seedling Age and Nitrogen Application on Submergence Tolerance of Sub1 and Non-Sub1 Cultivars of Rice (<i>Oryza sativa</i> L.). <i>Journal of Plant Growth Regulation</i> , 2017, 36, 629-642.	2.8	11
52	Weed community composition after 43 years of long-term fertilization in tropical rice-rice system. <i>Agriculture, Ecosystems and Environment</i> , 2014, 197, 301-308.	2.5	10
53	Combined application of silica and nitrogen alleviates the damage of flooding stress in rice. <i>Crop and Pasture Science</i> , 2015, 66, 679.	0.7	10
54	Water vapor flux in tropical lowland rice. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 550.	1.3	10

#	ARTICLE	IF	CITATIONS
55	Cyanobiont diversity in six <i>Azolla</i> spp. and relation to <i>Azolla</i> -nutrient profiling. <i>Planta</i> , 2019, 249, 1435-1447.	1.6	9
56	Elucidating relationship between nitrous oxide emission and functional soil microbes from tropical lowland rice soil exposed to elevated CO ₂ : A path modelling approach. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107268.	2.5	8
57	Site-Specific Nitrogen Management in Rice Using Remote Sensing and Geostatistics. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1154-1166.	0.6	7
58	Effect of nutrient application and water turbidity on submergence tolerance of rice (<i>Oryza</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.3	6
59	Nutrient management and submergence-tolerant varieties antecedently enhances the productivity and profitability of rice in flood-prone regions. <i>Journal of Plant Nutrition</i> , 2019, 42, 1913-1927.	0.9	5
60	Alteration in plant spacing improves submergence tolerance in Sub1 and non-Sub1 rice (cv. IR64) by better light interception and effective carbohydrate utilisation under stress. <i>Functional Plant Biology</i> , 2020, 47, 891.	1.1	5
61	Impact of Land Use and Land Cover Change on Ecosystem Services in Eastern Coast of India. <i>International Journal of Environmental Research</i> , 2022, 16, 1.	1.1	5
62	Changes in Soil Aggregate-Associated Organic Carbon and Nitrogen after Ten Years under Different Land-Use and Soil-Management Systems in Indo-Gangetic Sodic Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1293-1304.	0.6	4
63	Submergence Induced Tiller Mortality and Yield Reduction in Rice Can be Minimized Through Post-submergence Nitrogen Application. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017, 87, 953-963.	0.4	4
64	Structural diversity and efficacy of culturable cellulose decomposing bacteria isolated from riceâ€“pulse resource conservation practices. <i>Journal of Basic Microbiology</i> , 2019, 59, 963-978.	1.8	2
65	Precision farming technologies for water and nutrient management in rice: Challenges and opportunities. <i>Oryza</i> , 2021, 58, 126-142.	0.2	2
66	Indexing Methods of Soil Quality in Agro-Ecosystems: An Overview of Indian Soils and Beyond. , 2020, , 255-284.		2
67	Tolerant varieties and exogenous application of nutrients can effectively manage drought stress in rice. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 13-32.	1.3	1
68	Climate resilient rice production system: Natural resources management approach. <i>Oryza</i> , 2021, 58, 143-167.	0.2	1
69	Root Activity and Antioxidant Enzyme Activities of Rice Cultivars under Different Iron Toxicity Mitigation Options. <i>Journal of the Indian Society of Soil Science</i> , 2017, 65, 341.	0.1	1
70	Distribution of N-mineralizing Enzymes in Soil Aggregate Fractions over 46 Years Application of Inorganic and Organic Fertilizers in a Tropical Rice-Rice System. <i>Journal of the Indian Society of Soil Science</i> , 2019, 67, 341.	0.1	0