

# Anas Iqbal

## List of Publications by Year in descending order

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47  
papers

1,103  
citations

489802

18  
h-index

511568

30  
g-index

49  
all docs

49  
docs citations

49  
times ranked

863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar in Combination with Nitrogen Fertilizer is a Technique: To Enhance Physiological and Morphological Traits of Rice ( <i>Oryza sativa</i> L.) by Improving Soil Physio-biochemical Properties. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2406-2420.	2.8	20
2	Interplay of ZnONPs and/or SeNPs induces arsenic tolerance in soybean by regulation of antioxidants pool, WRKY genes, and expression of arsenic transporters. <i>Environmental and Experimental Botany</i> , 2022, 195, 104783.	2.0	9
3	Biochar combined with nitrogen fertilizer: a practical approach for increasing the biomass digestibility and yield of rice and promoting food and energy security. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 1304-1318.	1.9	5
4	Manure applications combined with chemical fertilizer improves soil functionality, microbial biomass and rice production in a paddy field. <i>Agronomy Journal</i> , 2022, 114, 1431-1446.	0.9	12
5	Effects of Biochar Amendment and Nitrogen Fertilizer on RVA Profile and Rice Grain Quality Attributes. <i>Foods</i> , 2022, 11, 625.	1.9	10
6	Effect of Integrated Organic&#x2013;Inorganic Amendments on Leaf Physiological and Grain Starch Viscosity (Rapid Visco-Analyzer Profile) Characteristics of Rice and Ultisols Soil Quality. <i>Agronomy</i> , 2022, 12, 863.	1.3	2
7	Biochar Amendment and Nitrogen Fertilizer Contribute to the Changes in Soil Properties and Microbial Communities in a Paddy Field. <i>Frontiers in Microbiology</i> , 2022, 13, 834751.	1.5	30
8	Multidimensional Relationships of Starch Digestibility with Physicochemical, Pasting and Textural Properties of 30 Rice Varieties. <i>Agronomy</i> , 2022, 12, 720.	1.3	2
9	Assessment of the texture and digestion properties of a high amylose content rice cultivar under various water&#x2013;rice ratios. <i>Cereal Chemistry</i> , 2022, 99, 1007-1012.	1.1	2
10	High Sink Capacity Improves Rice Grain Yield by Promoting Nitrogen and Dry Matter Accumulation. <i>Agronomy</i> , 2022, 12, 1688.	1.3	4
11	Identification of differentially expressed genes and pathways in isonuclear kenaf genotypes under salt stress. <i>Physiologia Plantarum</i> , 2021, 173, 1295-1308.	2.6	10
12	Dual-purpose wheat technology: a tool for ensuring food security and livestock sustainability in cereal-based cropping pattern. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1889-1900.	1.3	3
13	Melatonin improves the seed filling rate and endogenous hormonal mechanism in grains of summer maize. <i>Physiologia Plantarum</i> , 2021, 172, 1059-1072.	2.6	33
14	Partial substitution of organic nitrogen with synthetic nitrogen enhances rice yield, grain starch metabolism and related genes expression under the dual cropping system. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1283-1296.	1.8	16
15	Smash ridge tillage strongly influence soil functionality, physiology and rice yield. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1297-1307.	1.8	12
16	An approach to sustainable agriculture by untangling the fate of contrasting nitrogen sources in double&#x2013;season rice grown with and without biochar. <i>GCB Bioenergy</i> , 2021, 13, 382-392.	2.5	14
17	The Enhancement of Soil Fertility, Dry Matter Transport and Accumulation, Nitrogen Uptake and Yield in Rice via Green Manuring. <i>Phyton</i> , 2021, 90, 223-243.	0.4	5
18	Synthetic nitrogen coupled with seaweed extract and microbial inoculants improves rice (&#x2013; <i>Oryza sativa</i> &#x2013; L.) production under a dual cropping system. <i>Italian Journal of Agronomy</i> , 2021, 16, .	0.4	6

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19	Circular droughtâ€hardening confers drought tolerance via modulation of the antioxidant defense system, osmoregulation, and gene expression in tobacco. <i>Physiologia Plantarum</i> , 2021, 172, 1073-1088.	2.6	25
20	Co-incorporation of manure and inorganic fertilizer improves leaf physiological traits, rice production and soil functionality in a paddy field. <i>Scientific Reports</i> , 2021, 11, 10048.	1.6	21
21	Enhancing Rice Yield and Weed Management in Direct Seeded Rice Using Ammonium Sulfate as Adjuvant with Lower Dose of Early Postemergence Herbicides. <i>Agrivita</i> , 2021, 43, .	0.2	0
22	Biochar application to rice with 15N-labelled fertilizers, enhanced leaf nitrogen concentration and assimilation by improving morpho-physiological traits and soil quality. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 3399-3413.	1.8	34
23	Impact of fertilization with reducing in nitrogen and phosphorous application on growth, yield and biomass accumulation of rice ( <i>Oryza sativa</i> L.) under a dual cropping system. <i>PeerJ</i> , 2021, 9, e11668.	0.9	11
24	Longâ€term straw mulching in a noâ€till field improves soil functionality and rice yield by increasing soil enzymatic activity and chemical properties in paddy soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 622-634.	1.1	14
25	Amelioration of AsV toxicity by concurrent application of ZnO-NPs and Se-NPs is associated with differential regulation of photosynthetic indexes, antioxidant pool and osmolytes content in soybean seedling. <i>Ecotoxicology and Environmental Safety</i> , 2021, 225, 112738.	2.9	37
26	Combined application of biochar and nitrogen fertilizer promotes the activity of starch metabolism enzymes and the expression of related genes in rice in a dual cropping system. <i>BMC Plant Biology</i> , 2021, 21, 600.	1.6	7
27	Amylose content and RVA profile characteristics of noodle rice under different conditions. <i>Agronomy Journal</i> , 2020, 112, 117-129.	0.9	16
28	Manure combined with chemical fertilizer increases rice productivity by improving soil health, post-anthesis biomass yield, and nitrogen metabolism. <i>PLoS ONE</i> , 2020, 15, e0238934.	1.1	64
29	Biochar coupled with contrasting nitrogen sources mediated changes in carbon and nitrogen pools, microbial and enzymatic activity in paddy soil. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 835-849.	2.4	41
30	Long-Term No-Tillage and Straw Retention Management Enhances Soil Bacterial Community Diversity and Soil Properties in Southern China. <i>Agronomy</i> , 2020, 10, 1233.	1.3	25
31	Biochar addition coupled with nitrogen fertilization impacts on soil quality, crop productivity, and nitrogen uptake under doubleâ€cropping system. <i>Food and Energy Security</i> , 2020, 9, e208.	2.0	64
32	Characterization and Grouping of All Primary Branches at Various Positions on a Rice Panicle Based on Grain Growth Dynamics. <i>Agronomy</i> , 2020, 10, 223.	1.3	8
33	Combined application of biochar and nitrogen fertilizer improves rice yield, microbial activity and N-metabolism in a pot experiment. <i>PeerJ</i> , 2020, 8, e10311.	0.9	49
34	Optimizing rates and application time of potassium fertilizer for improving growth, grain nutrients content and yield of wheat crop. <i>Open Agriculture</i> , 2019, 4, 500-508.	0.7	10
35	Organic Manure Coupled with Inorganic Fertilizer: An Approach for the Sustainable Production of Rice by Improving Soil Properties and Nitrogen Use Efficiency. <i>Agronomy</i> , 2019, 9, 651.	1.3	98
36	Changes in Leaf Structural and Functional Characteristics when Changing Planting Density at Different Growth Stages Alters Cotton Lint Yield under a New Planting Model. <i>Agronomy</i> , 2019, 9, 859.	1.3	11

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37	Effects of Meteorological Factors on the Yield and Quality of Special Rice in Different Periods after Anthesis. <i>Agricultural Sciences</i> , 2019, 10, 451-475.	0.2	4
38	Agronomic performance of late-season rice in South China. <i>Plant Production Science</i> , 2018, 21, 32-38.	0.9	8
39	Continuous applications of biochar to rice: Effects on nitrogen uptake and utilization. <i>Scientific Reports</i> , 2018, 8, 11461.	1.6	48
40	Interaction of Changes in pH and Urease Activity Induced by Biochar Addition Affects Ammonia Volatilization on an Acid Paddy Soil Following Application of Urea. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 107-112.	0.6	26
41	Morphological and physiological traits of seeds and seedlings in two rice cultivars with contrasting early vigor. <i>Plant Production Science</i> , 2017, 20, 95-101.	0.9	17
42	Improving physiological N-use efficiency by increasing harvest index in rice: a case in super-hybrid cultivar Guiliangyou 2. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 725-743.	1.3	24
43	Fertilizer nitrogen uptake by rice increased by biochar application. <i>Biology and Fertility of Soils</i> , 2014, 50, 997-1000.	2.3	71
44	Quantifying the effect of biochar amendment on soil quality and crop productivity in Chinese rice paddies. <i>Field Crops Research</i> , 2013, 154, 172-177.	2.3	83
45	Changes in soil microbial properties with no-tillage in Chinese cropping systems. <i>Biology and Fertility of Soils</i> , 2013, 49, 373-377.	2.3	59
46	Photosynthetic efficiency and nitrogen distribution under different nitrogen management and relationship with physiological N-use efficiency in three rice genotypes. <i>Plant and Soil</i> , 2005, 271, 321-328.	1.8	28
47	Biochar and Manure Applications Differentially Altered the Class 1 Integrons, Antimicrobial Resistance, and Gene Cassettes Diversity in Paddy Soils. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3