

# Xiaobo Xi

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of phosphorus content on the properties of Ni-P coated diamond. Surface and Coatings Technology, 2016, 297, 27-33.	2.2	17
2	Fault-Tolerant Active Disturbance Rejection Control of Plant Protection of Unmanned Aerial Vehicles Based on a Spatio-Temporal RBF Neural Network. Applied Sciences (Switzerland), 2021, 11, 4084.	1.3	12
3	Quantitative Monitoring of Leaf Area Index in Rice Based on Hyperspectral Feature Bands and Ridge Regression Algorithm. Remote Sensing, 2022, 14, 2777.	1.8	12
4	Optimisation of no-tube seeding and its application in rice planting. Biosystems Engineering, 2021, 210, 115-128.	1.9	10
5	Simulation and Experiment of Spiral Soil Separation Mechanism of Compound Planter Based on Discrete Element Method (DEM). Agriculture (Switzerland), 2022, 12, 511.	1.4	10
6	Sealing performance of tempered vacuum glazing with silver oxide system low melting solder. Materials Chemistry and Physics, 2022, 275, 125202.	2.0	9
7	Sensor Fault Diagnosis and Fault Tolerant Control of Quadrotor UAV Based on Genetic Algorithm. Journal of Sensors, 2022, 2022, 1-8.	0.6	9
8	Design and experiment of no-tube seeder for wheat sowing. Soil and Tillage Research, 2020, 204, 104724.	2.6	7
9	Mechanical properties of tempered vacuum glazing with continuous vacant support pillars. Vacuum, 2021, 188, 110165.	1.6	7
10	Multiple Leveling for Paddy Field Preparation with Double Axis Rotary Tillage Accelerates Rice Growth and Economic Benefits. Agriculture (Switzerland), 2021, 11, 1223.	1.4	7
11	Effect of phosphorus content on suspension of Ni-P coated diamond (NPCD) and wear resistance of electrodeposited Ni-Co-Mn/NPCD composite coatings. Diamond and Related Materials, 2017, 74, 164-172.	1.8	5
12	Design and Experiment of Row-Controlled Fertilizing&quot;Weeding Machine for Rice Cultivation. Agriculture (Switzerland), 2021, 11, 527.	1.4	5
13	Prediction and Analysis of the Thermal Performance of Composite Vacuum Glazing. Energies, 2021, 14, 5769.	1.6	5
14	Cattle Manure Application and Combined Straw Mulching Enhance Maize (Zea mays L.) Growth and Water Use for Rain-Fed Cropping System of Coastal Saline Soils. Agriculture (Switzerland), 2021, 11, 745.	1.4	4
15	Artificial Macropores with Sandy Fillings Enhance Desalinization and Increase Plant Biomass in Two Contrasting Salt-Affected Soils. Applied Sciences (Switzerland), 2021, 11, 3037.	1.3	2
16	Damage Evaluation in Tempered Vacuum Glazing via Multivariate Statistical Methods. Applied Sciences (Switzerland), 2021, 11, 4799.	1.3	2
17	The Analysis of the Applications of Crop Seed Tape Sowing Technology and Equipment: A Review. Applied Sciences (Switzerland), 2021, 11, 11228.	1.3	1
18	Design and Experimental Study on Motor Type Automatic Driving System of Agricultural Machinery Based on Beidou Navigation. , 2019, , .		0