

Jianguo Wu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

6,851

citations

32

h-index

69

g-index

69

ext. papers

8,453

ext. citations

7

avg, IF

6.04

L-index

#	Paper	IF	Citations
63	Rapid and Specific Purification of Argonaute-Small RNA Complexes from Rice for Slicer Activity.. <i>Methods in Molecular Biology</i> , 2022 , 2400, 139-147	1.4	
62	Arms race between rice and viruses: a review of viral and host factors. <i>Current Opinion in Virology</i> , 2021 , 47, 38-44	7.5	3
61	Declining Oxygen Level as an Emerging Concern to Global Cities. <i>Environmental Science & Technology</i> , 2021 , 55, 7808-7817	10.3	2
60	Equids engineer desert water availability. <i>Science</i> , 2021 , 372, 491-495	33.3	11
59	Landscape sustainability science (II): core questions and key approaches. <i>Landscape Ecology</i> , 2021 , 36, 2453-2485	4.3	20
58	Spatiotemporal patterns and ecological consequences of a fragmented landscape created by damming. <i>PeerJ</i> , 2021 , 9, e11416	3.1	2
57	Recent advances and emerging trends in antiviral defense networking in rice. <i>Crop Journal</i> , 2021 , 9, 553-563	4.6	2
56	Future global urban water scarcity and potential solutions. <i>Nature Communications</i> , 2021 , 12, 4667	17.4	49
55	A convergence research perspective on graduate education for sustainable urban systems science. <i>Npj Urban Sustainability</i> , 2021 , 1,		0
54	Regulation of Rice Tillering by RNA-Directed DNA Methylation at Miniature Inverted-Repeat Transposable Elements. <i>Molecular Plant</i> , 2020 , 13, 851-863	14.4	19
53	Rice Stripe Mosaic Virus-Encoded P4 Is a Weak Suppressor of Viral RNA Silencing and Is Required for Disease Symptom Development. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 412-422	3.6	7
52	Roles of Small RNAs in Virus-Plant Interactions. <i>Viruses</i> , 2019 , 11,	6.2	19
51	Transcriptional Regulation of miR528 by OsSPL9 Orchestrates Antiviral Response in Rice. <i>Molecular Plant</i> , 2019 , 12, 1114-1122	14.4	39
50	Decoupling species richness variation and spatial turnover in beta diversity across a fragmented landscape. <i>PeerJ</i> , 2019 , 7, e6714	3.1	5
49	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. <i>Nature Communications</i> , 2019 , 10, 5558	17.4	72
48	Defense and counter-defense in rice-virus interactions. <i>Phytopathology Research</i> , 2019 , 1,	4.1	4
47	Weak sustainability is not sustainable: Socioeconomic and environmental assessment of Inner Mongolia for the past three decades. <i>Resources, Conservation and Recycling</i> , 2019 , 141, 243-252	11.9	27

46	The impairment of environmental sustainability due to rapid urbanization in the dryland region of northern China. <i>Landscape and Urban Planning</i> , 2019 , 187, 165-180	7.7	36
45	How does habitat fragmentation affect the biodiversity and ecosystem functioning relationship?. <i>Landscape Ecology</i> , 2018 , 33, 341-352	4.3	31
44	What drives urban growth in China? A multi-scale comparative analysis. <i>Applied Geography</i> , 2018 , 98, 43-51	4.4	36
43	Propagation and Infection on Rice Plants. <i>Bio-protocol</i> , 2018 , 8, e3060	0.9	0
42	Detecting the Interaction of Double-stranded RNA Binding Protein, Viral Protein and Primary miRNA Transcript by Co-immunoprecipitation. <i>Bio-protocol</i> , 2018 , 8, e2840	0.9	
41	Osa-miR164a targets OsNAC60 and negatively regulates rice immunity against the blast fungus <i>Magnaporthe oryzae</i> . <i>Plant Journal</i> , 2018 , 95, 584	6.9	61
40	ROS accumulation and antiviral defence control by microRNA528 in rice. <i>Nature Plants</i> , 2017 , 3, 16203	11.5	134
39	Characterizing spatiotemporal patterns of air pollution in China: A multiscale landscape approach. <i>Ecological Indicators</i> , 2017 , 76, 344-356	5.8	43
38	Towards Quantitatively Understanding the Complexity of Social-Ecological Systems From Connection to Consilience. <i>International Journal of Disaster Risk Science</i> , 2017 , 8, 343-356	4.6	3
37	A viral protein promotes host SAMS1 activity and ethylene production for the benefit of virus infection. <i>ELife</i> , 2017 , 6,	8.9	42
36	Rice stripe virus NS3 protein regulates primary miRNA processing through association with the miRNA biogenesis factor OsDRB1 and facilitates virus infection in rice. <i>PLoS Pathogens</i> , 2017 , 13, e1006662	7.6	32
35	Amur tigers and leopards returning to China: direct evidence and a landscape conservation plan. <i>Landscape Ecology</i> , 2016 , 31, 491-503	4.3	46
34	Rice Dwarf Virus P2 Protein Hijacks Auxin Signaling by Directly Targeting the Rice OsIAA10 Protein, Enhancing Viral Infection and Disease Development. <i>PLoS Pathogens</i> , 2016 , 12, e1005847	7.6	60
33	Suppression of Jasmonic Acid-Mediated Defense by Viral-Inducible MicroRNA319 Facilitates Virus Infection in Rice. <i>Molecular Plant</i> , 2016 , 9, 1302-1314	14.4	113
32	Impacts of urbanization on summer climate in China: An assessment with coupled land-atmospheric modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,505	4.4	34
31	Spatial patterns of soil nutrients, plant diversity, and aboveground biomass in the Inner Mongolia grassland: before and after a biodiversity removal experiment. <i>Landscape Ecology</i> , 2015 , 30, 1737-1750	4.3	15
30	Testing biodiversity-ecosystem functioning relationship in the world's largest grassland: overview of the IMGRE project. <i>Landscape Ecology</i> , 2015 , 30, 1723-1736	4.3	24
29	Historical landscape dynamics of Inner Mongolia: patterns, drivers, and impacts. <i>Landscape Ecology</i> , 2015 , 30, 1579-1598	4.3	116

28	Defining and measuring urban sustainability: a review of indicators. <i>Landscape Ecology</i> , 2015 , 30, 1175-1193	1193	152
27	Rice stripe tenuivirus p2 may recruit or manipulate nucleolar functions through an interaction with fibrillarlin to promote virus systemic movement. <i>Molecular Plant Pathology</i> , 2015 , 16, 921-30	5-7	33
26	Comparing urbanization patterns in Guangzhou of China and Phoenix of the USA: The influences of roads and rivers. <i>Ecological Indicators</i> , 2015 , 52, 23-30	5.8	28
25	Biogenesis, Function, and Applications of Virus-Derived Small RNAs in Plants. <i>Frontiers in Microbiology</i> , 2015 , 6, 1237	5-7	85
24	Viral-inducible Argonaute18 confers broad-spectrum virus resistance in rice by sequestering a host microRNA. <i>ELife</i> , 2015 , 4,	8.9	133
23	How much of the world's land has been urbanized, really? A hierarchical framework for avoiding confusion. <i>Landscape Ecology</i> , 2014 , 29, 763-771	4-3	204
22	Spatial heterogeneity of urban soils: the case of the Beijing metropolitan region, China. <i>Ecological Processes</i> , 2014 , 3,	3.6	20
21	Climate change and landscape fragmentation jeopardize the population viability of the Siberian tiger (<i>Panthera tigris altaica</i>). <i>Landscape Ecology</i> , 2014 , 29, 621-637	4-3	18
20	Quantifying the speed, growth modes, and landscape pattern changes of urbanization: a hierarchical patch dynamics approach. <i>Landscape Ecology</i> , 2013 , 28, 1875-1888	4-3	117
19	Distribution pattern of allergenic plants in the Beijing metropolitan region. <i>Aerobiologia</i> , 2013 , 29, 217-231	231	7
18	Roles of science in institutional changes: The case of desertification control in China. <i>Environmental Science and Policy</i> , 2013 , 27, 32-54	6.2	31
17	Key concepts and research topics in landscape ecology revisited: 30 years after the Allerton Park workshop. <i>Landscape Ecology</i> , 2013 , 28, 1-11	4-3	161
16	Spatiotemporal pattern of urbanization in Shanghai, China between 1989 and 2005. <i>Landscape Ecology</i> , 2013 , 28, 1545-1565	4-3	86
15	Knowledge-driven institutional change: an empirical study on combating desertification in northern China from 1949 to 2004. <i>Journal of Environmental Management</i> , 2012 , 110, 254-66	7-9	15
14	Constructed wetlands as biofuel production systems. <i>Nature Climate Change</i> , 2012 , 2, 190-194	21.4	73
13	A space-for-time (SFT) substitution approach to studying historical phenological changes in urban environment. <i>PLoS ONE</i> , 2012 , 7, e51260	3-7	17
12	China's dairy crisis: impacts, causes and policy implications for a sustainable dairy industry. <i>International Journal of Sustainable Development and World Ecology</i> , 2011 , 18, 434-441	3.8	37
11	p2 of rice stripe virus (RSV) interacts with OsSGS3 and is a silencing suppressor. <i>Molecular Plant Pathology</i> , 2011 , 12, 808-14	5-7	72

10	Simulating spatiotemporal dynamics of urbanization with multi-agent systems: A case study of the Phoenix metropolitan region, USA. <i>Ecological Modelling</i> , 2011 , 222, 1129-1138	3	55
9	Determinants of plant species richness and patterns of nestedness in fragmented landscapes: evidence from land-bridge islands. <i>Landscape Ecology</i> , 2011 , 26, 1405-1417	4.3	44
8	Landscape connectivity shapes the spread pattern of the rice water weevil: a case study from Zhejiang, China. <i>Environmental Management</i> , 2011 , 47, 254-62	3.1	12
7	Identification of Pns12 as the second silencing suppressor of Rice gall dwarf virus. <i>Science China Life Sciences</i> , 2011 , 54, 201-8	8.5	14
6	Viral infection induces expression of novel phased microRNAs from conserved cellular microRNA precursors. <i>PLoS Pathogens</i> , 2011 , 7, e1002176	7.6	145
5	Identification of Pns6, a putative movement protein of RRSV, as a silencing suppressor. <i>Virology Journal</i> , 2010 , 7, 335	6.1	25
4	Spatial pattern of urban functions in the Beijing metropolitan region. <i>Habitat International</i> , 2010 , 34, 249-255	4.6	85
3	Rice ragged stunt virus segment S6-encoded nonstructural protein Pns6 complements cell-to-cell movement of Tobacco mosaic virus-based chimeric virus. <i>Virus Research</i> , 2010 , 152, 176-9	6.4	22
2	Ecologically asynchronous agricultural practice erodes sustainability of the Loess Plateau of China 2010 , 20, 1126-35		25
1	Global change and the ecology of cities. <i>Science</i> , 2008 , 319, 756-60	33.3	3737