

Jianguo Wu

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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 | Global change and the ecology of cities. <i>Science</i> , 2008 , 319, 756-60 | 33.3 | 3737 |
| 62 | 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 |
| 61 | 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 |
| 60 | Defining and measuring urban sustainability: a review of indicators. <i>Landscape Ecology</i> , 2015 , 30, 1175-1193 | 4.3 | 152 |
| 59 | Viral infection induces expression of novel phased microRNAs from conserved cellular microRNA precursors. <i>PLoS Pathogens</i> , 2011 , 7, e1002176 | 7.6 | 145 |
| 58 | ROS accumulation and antiviral defence control by microRNA528 in rice. <i>Nature Plants</i> , 2017 , 3, 16203 | 11.5 | 134 |
| 57 | Viral-inducible Argonaute18 confers broad-spectrum virus resistance in rice by sequestering a host microRNA. <i>ELife</i> , 2015 , 4, | 8.9 | 133 |
| 56 | 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 |
| 55 | Historical landscape dynamics of Inner Mongolia: patterns, drivers, and impacts. <i>Landscape Ecology</i> , 2015 , 30, 1579-1598 | 4.3 | 116 |
| 54 | 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 |
| 53 | Spatiotemporal pattern of urbanization in Shanghai, China between 1989 and 2005. <i>Landscape Ecology</i> , 2013 , 28, 1545-1565 | 4.3 | 86 |
| 52 | Biogenesis, Function, and Applications of Virus-Derived Small RNAs in Plants. <i>Frontiers in Microbiology</i> , 2015 , 6, 1237 | 5.7 | 85 |
| 51 | Spatial pattern of urban functions in the Beijing metropolitan region. <i>Habitat International</i> , 2010 , 34, 249-255 | 4.6 | 85 |
| 50 | Constructed wetlands as biofuel production systems. <i>Nature Climate Change</i> , 2012 , 2, 190-194 | 21.4 | 73 |
| 49 | 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 |
| 48 | Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. <i>Nature Communications</i> , 2019 , 10, 5558 | 17.4 | 72 |
| 47 | 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 |

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| 46 | 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 |
| 45 | 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 |
| 44 | Future global urban water scarcity and potential solutions. <i>Nature Communications</i> , 2021 , 12, 4667 | 17.4 | 49 |
| 43 | 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 |
| 42 | 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 |
| 41 | Characterizing spatiotemporal patterns of air pollution in China: A multiscale landscape approach. <i>Ecological Indicators</i> , 2017 , 76, 344-356 | 5.8 | 43 |
| 40 | A viral protein promotes host SAMS1 activity and ethylene production for the benefit of virus infection. <i>ELife</i> , 2017 , 6, | 8.9 | 42 |
| 39 | Transcriptional Regulation of miR528 by OsSPL9 Orchestrates Antiviral Response in Rice. <i>Molecular Plant</i> , 2019 , 12, 1114-1122 | 14.4 | 39 |
| 38 | 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 |
| 37 | What drives urban growth in China? A multi-scale comparative analysis. <i>Applied Geography</i> , 2018 , 98, 43-51 | 4.4 | 36 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | How does habitat fragmentation affect the biodiversity and ecosystem functioning relationship?. <i>Landscape Ecology</i> , 2018 , 33, 341-352 | 4.3 | 31 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |

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| 28 | Identification of Pns6, a putative movement protein of RRSV, as a silencing suppressor. <i>Virology Journal</i> , 2010 , 7, 335 | 6.1 | 25 |
| 27 | Ecologically asynchronous agricultural practice erodes sustainability of the Loess Plateau of China 2010 , 20, 1126-35 | | 25 |
| 26 | 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 |
| 25 | 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 |
| 24 | Spatial heterogeneity of urban soils: the case of the Beijing metropolitan region, China. <i>Ecological Processes</i> , 2014 , 3, | 3.6 | 20 |
| 23 | Landscape sustainability science (II): core questions and key approaches. <i>Landscape Ecology</i> , 2021 , 36, 2453-2485 | 4.3 | 20 |
| 22 | Roles of Small RNAs in Virus-Plant Interactions. <i>Viruses</i> , 2019 , 11, | 6.2 | 19 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Equids engineer desert water availability. <i>Science</i> , 2021 , 372, 491-495 | 33.3 | 11 |
| 13 | Distribution pattern of allergenic plants in the Beijing metropolitan region. <i>Aerobiologia</i> , 2013 , 29, 217-231 | | 7 |
| 12 | 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 |
| 11 | Decoupling species richness variation and spatial turnover in beta diversity across a fragmented landscape. <i>PeerJ</i> , 2019 , 7, e6714 | 3.1 | 5 |

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| 10 | Defense and counter-defense in rice-virus interactions. <i>Phytopathology Research</i> , 2019 , 1, | 4.1 | 4 |
| 9 | 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 |
| 8 | 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 |
| 7 | Declining Oxygen Level as an Emerging Concern to Global Cities. <i>Environmental Science & Technology</i> , 2021 , 55, 7808-7817 | 10.3 | 2 |
| 6 | Spatiotemporal patterns and ecological consequences of a fragmented landscape created by damming. <i>PeerJ</i> , 2021 , 9, e11416 | 3.1 | 2 |
| 5 | Recent advances and emerging trends in antiviral defense networking in rice. <i>Crop Journal</i> , 2021 , 9, 553-563 | 4.6 | 2 |
| 4 | Propagation and Infection on Rice Plants. <i>Bio-protocol</i> , 2018 , 8, e3060 | 0.9 | 0 |
| 3 | A convergence research perspective on graduate education for sustainable urban systems science. <i>Npj Urban Sustainability</i> , 2021 , 1, | | 0 |
| 2 | 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 | |
| 1 | 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 | |