

# Qiang Liu

## List of Publications by Citations

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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.

70  
papers

6,045  
citations

37  
h-index

74  
g-index

74  
ext. papers

8,219  
ext. citations

8.1  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
70	Design of robust superhydrophobic surfaces. <i>Nature</i> , <b>2020</b> , 582, 55-59	50.4	444
69	Eradication of metastatic mouse cancers resistant to immune checkpoint blockade by suppression of myeloid-derived cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11774-9	11.5	426
68	The cytokine storm of severe influenza and development of immunomodulatory therapy. <i>Cellular and Molecular Immunology</i> , <b>2016</b> , 13, 3-10	15.4	384
67	High-Performance Strain Sensors with Fish-Scale-Like Graphene-Sensing Layers for Full-Range Detection of Human Motions. <i>ACS Nano</i> , <b>2016</b> , 10, 7901-6	16.7	384
66	Plant phenology and global climate change: Current progresses and challenges. <i>Global Change Biology</i> , <b>2019</b> , 25, 1922-1940	11.4	382
65	A proprotein convertase subtilisin/kexin type 9 neutralizing antibody reduces serum cholesterol in mice and nonhuman primates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9820-5	11.5	316
64	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , <b>2015</b> , 6, 6911	17.4	261
63	Extreme Learning Machines [Trends & Controversies]. <i>IEEE Intelligent Systems</i> , <b>2013</b> , 28, 30-59	4.2	249
62	A Digital Twin-Based Approach for Designing and Multi-Objective Optimization of Hollow Glass Production Line. <i>IEEE Access</i> , <b>2017</b> , 5, 26901-26911	3.5	201
61	Delayed autumn phenology in the Northern Hemisphere is related to change in both climate and spring phenology. <i>Global Change Biology</i> , <b>2016</b> , 22, 3702-3711	11.4	199
60	Digital twin-driven manufacturing cyber-physical system for parallel controlling of smart workshop. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2019</b> , 10, 1155-1166	3.7	198
59	Temperature, precipitation, and insolation effects on autumn vegetation phenology in temperate China. <i>Global Change Biology</i> , <b>2016</b> , 22, 644-55	11.4	184
58	The crystal structure of PCSK9: a regulator of plasma LDL-cholesterol. <i>Structure</i> , <b>2007</b> , 15, 545-52	5.2	180
57	. <i>IEEE Access</i> , <b>2018</b> , 6, 12103-12117	3.5	161
56	Blockchain-empowered sustainable manufacturing and product lifecycle management in industry 4.0: A survey. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 132, 110112	16.2	125
55	High-Quality Graphene Ribbons Prepared from Graphene Oxide Hydrogels and Their Application for Strain Sensors. <i>ACS Nano</i> , <b>2015</b> , 9, 12320-6	16.7	116
54	Digital twin-driven rapid reconfiguration of the automated manufacturing system via an open architecture model. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 63, 101895	9.2	108

53	Extension of the growing season increases vegetation exposure to frost. <i>Nature Communications</i> , <b>2018</b> , 9, 426	17.4	106
52	Increased heat requirement for leaf flushing in temperate woody species over 1980-2012: effects of chilling, precipitation and insolation. <i>Global Change Biology</i> , <b>2015</b> , 21, 2687-2697	11.4	103
51	Plant phenological responses to climate change on the Tibetan Plateau: research status and challenges. <i>National Science Review</i> , <b>2015</b> , 2, 454-467	10.8	99
50	Digital twin-based designing of the configuration, motion, control, and optimization model of a flow-type smart manufacturing system. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 52-64	9.1	92
49	Makerchain: A blockchain with chemical signature for self-organizing process in social manufacturing. <i>Journal of Cleaner Production</i> , <b>2019</b> , 234, 767-778	10.3	90
48	Blockchain-Secured Smart Manufacturing in Industry 4.0: A Survey. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 237-252	7.3	75
47	Digital twins-based smart manufacturing system design in Industry 4.0: A review. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 60, 119-137	9.1	70
46	Transparent Polymeric Strain Sensors for Monitoring Vital Signs and Beyond. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3895-3901	9.5	61
45	The Global Land Surface Satellite (GLASS) Product Suite. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 102, E323-E337	6.1	60
44	Divergent changes in the elevational gradient of vegetation activities over the last 30 years. <i>Nature Communications</i> , <b>2019</b> , 10, 2970	17.4	59
43	Random Fourier extreme learning machine with . <i>Neurocomputing</i> , <b>2016</b> , 174, 143-153	5.4	54
42	The impacts of climate extremes on the terrestrial carbon cycle: A review. <i>Science China Earth Sciences</i> , <b>2019</b> , 62, 1551-1563	4.6	54
41	Peroxisome Proliferator-activated receptor $\beta$ activation by ligands and dephosphorylation induces proprotein convertase subtilisin kexin type 9 and low density lipoprotein receptor expression. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 23667-77	5.4	54
40	Digital twin-driven joint optimisation of packing and storage assignment in large-scale automated high-rise warehouse product-service system. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2019</b> , 1-18	4.3	52
39	Retrieval of leaf area index using temporal, spectral, and angular information from multiple satellite data. <i>Remote Sensing of Environment</i> , <b>2014</b> , 145, 25-37	13.2	51
38	The Global Land Surface Satellite (GLASS) Remote Sensing Data Processing System and Products. <i>Remote Sensing</i> , <b>2013</b> , 5, 2436-2450	5	51
37	Antiviral and anti-inflammatory activity of arbidol hydrochloride in influenza A (H1N1) virus infection. <i>Acta Pharmacologica Sinica</i> , <b>2013</b> , 34, 1075-83	8	49
36	Disentangling the mechanisms behind winter snow impact on vegetation activity in northern ecosystems. <i>Global Change Biology</i> , <b>2018</b> , 24, 1651-1662	11.4	41

35	Strain energy-based multiaxial fatigue life prediction under normal/shear stress interaction. <i>International Journal of Damage Mechanics</i> , <b>2019</b> , 28, 708-739	3	40
34	Vegetation dynamics and factor analysis in arid and semi-arid Inner Mongolia. <i>Environmental Earth Sciences</i> , <b>2015</b> , 73, 2343-2352	2.9	39
33	Characteristics of human infection with avian influenza viruses and development of new antiviral agents. <i>Acta Pharmacologica Sinica</i> , <b>2013</b> , 34, 1257-69	8	36
32	Fibrous strain sensor with ultra-sensitivity, wide sensing range, and large linearity for full-range detection of human motion. <i>Nanoscale</i> , <b>2018</b> , 10, 17512-17519	7.7	32
31	Jiawei-Yupingfeng-Tang, a Chinese herbal formula, inhibits respiratory viral infections in vitro and in vivo. <i>Journal of Ethnopharmacology</i> , <b>2013</b> , 150, 521-8	5	31
30	Simulating the onset of spring vegetation growth across the Northern Hemisphere. <i>Global Change Biology</i> , <b>2018</b> , 24, 1342-1356	11.4	25
29	Analysis of the Phenology in the Mongolian Plateau by Inter-Comparison of Global Vegetation Datasets. <i>Remote Sensing</i> , <b>2013</b> , 5, 5193-5208	5	24
28	Digital twins-based remote semi-physical commissioning of flow-type smart manufacturing systems.. <i>Journal of Cleaner Production</i> , <b>2021</b> , 306, 127278	10.3	23
27	Shifts in vegetation growth in response to multiple factors on the Mongolian Plateau from 1982 to 2011. <i>Physics and Chemistry of the Earth</i> , <b>2015</b> , 87-88, 50-59	3	20
26	Heterogeneous Metric Learning of Categorical Data with Hierarchical Couplings. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 1254-1267	4.2	20
25	A loosely-coupled deep reinforcement learning approach for order acceptance decision of mass-individualized printed circuit board manufacturing in industry 4.0. <i>Journal of Cleaner Production</i> , <b>2021</b> , 280, 124405	10.3	19
24	Climatic Warming Increases Spatial Synchrony in Spring Vegetation Phenology Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1641-1650	4.9	18
23	Three-dimensional change in temperature sensitivity of northern vegetation phenology. <i>Global Change Biology</i> , <b>2020</b> , 26, 5189-5201	11.4	18
22	Modeling leaf senescence of deciduous tree species in Europe. <i>Global Change Biology</i> , <b>2020</b> , 26, 4104-4118	11.4	17
21	The role of plant phenology in stomatal ozone flux modeling. <i>Global Change Biology</i> , <b>2018</b> , 24, 235-248	11.4	17
20	Financial time series prediction using D,1 RF-ELM. <i>Neurocomputing</i> , <b>2018</b> , 277, 176-186	5.4	16
19	A DDoS Detection Method for Socially Aware Networking Based on Forecasting Fusion Feature Sequence. <i>Computer Journal</i> , <b>2018</b> , 61, 959-970	1.3	15
18	Development of a remotely sensing seasonal vegetation-based Palmer Drought Severity Index and its application of global drought monitoring over 1982-2011. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9419-9440	4.4	14

17	Group Recommendation Based on Financial Social Network for Robo-Advisor. <i>IEEE Access</i> , <b>2018</b> , 6, 54527-54535	7.5	4
16	Simultaneous Estimation of Leaf Area Index, Fraction of Absorbed Photosynthetically Active Radiation, and Surface Albedo From Multiple-Satellite Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 4334-4354	8.1	13
15	Optimal temperature of vegetation productivity and its linkage with climate and elevation on the Tibetan Plateau. <i>Global Change Biology</i> , <b>2021</b> , 27, 1942-1951	11.4	11
14	Estimation of Gross Primary Productivity (GPP) Phenology of a Short-Rotation Plantation Using Remotely Sensed Indices Derived from Sentinel-2 Images. <i>Remote Sensing</i> , <b>2020</b> , 12, 2104	5	9
13	MST-GEN: An Efficient Parameter Selection Method for One-Class Extreme Learning Machine. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 3266-3279	10.2	7
12	An inhibitory antibody against dipeptidyl peptidase IV improves glucose tolerance in vivo. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 1307-16	5.4	5
11	Therapeutic inhibition of keratinocyte TRPV3 sensory channel by local anesthetic dyclonine. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
10	Resilience dynamics modeling and control for a reconfigurable electronic assembly line under spatio-temporal disruptions. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 60, 852-863	9.1	5
9	Digital Twin-Driven Rapid Customized Design of Board-Type Furniture Production Line. <i>Journal of Computing and Information Science in Engineering</i> , <b>2021</b> , 21,	2.4	4
8	Influence of Different Coupling Modes on the Robustness of Smart Grid under Targeted Attack. <i>Sensors</i> , <b>2018</b> , 18,	3.8	3
7	Evaluating Deep Learning for Image Classification in Adversarial Environment. <i>IEICE Transactions on Information and Systems</i> , <b>2020</b> , E103.D, 825-837	0.6	2
6	Poisoning Machine Learning Based Wireless IDSs via Stealing Learning Model. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 261-273	0.9	2
5	The industrial solvent 1,4-dioxane causes hyperalgesia by targeting capsaicin receptor TRPV1.. <i>BMC Biology</i> , <b>2022</b> , 20, 10	7.3	2
4	Model Capacity Vulnerability in Hyper-Parameters Estimation. <i>IEEE Access</i> , <b>2020</b> , 8, 21602-21612	3.5	0
3	Research on SDN Enabled by Machine Learning: An Overview. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2020</b> , 190-203	0.2	
2	The Kv1.3 ion channel acts as a host factor restricting viral entry. <i>FASEB Journal</i> , <b>2021</b> , 35, e20995	0.9	
1	A Simple yet Effective Unsupervised Adversarial Example Generation Framework for Vulnerability Assessment on Deep Learning. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 107-122	0.3	