

Ning Wu

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.

69

papers

1,512

citations

22

h-index

36

g-index

73

ext. papers

1,817

ext. citations

5.3

avg, IF

4.84

L-index

#	Paper	IF	Citations
69	Methane emissions from the surface of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2011 , 116,		133
68	Electric-field-induced assembly and propulsion of chiral colloidal clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6307-12	11.5	110
67	Selecting the swimming mechanisms of colloidal particles: bubble propulsion versus self-diffusiophoresis. <i>Langmuir</i> , 2014 , 30, 3477-86	4	107
66	Methane emissions from newly created marshes in the drawdown area of the Three Gorges Reservoir. <i>Journal of Geophysical Research</i> , 2009 , 114,		81
65	Determinants influencing seasonal variations of methane emissions from alpine wetlands in Zoige Plateau and their implications. <i>Journal of Geophysical Research</i> , 2008 , 113,		62
64	Two-Dimensional Assembly of Symmetric Colloidal Dimers under Electric Fields. <i>Advanced Functional Materials</i> , 2012 , 22, 4334-4343	15.6	57
63	Inducing Propulsion of Colloidal Dimers by Breaking the Symmetry in Electrohydrodynamic Flow. <i>Physical Review Letters</i> , 2015 , 115, 208302	7.4	53
62	Predominance of Precipitation and Temperature Controls on Ecosystem CO ₂ Exchange in Zoige Alpine Wetlands of Southwest China. <i>Wetlands</i> , 2011 , 31, 413-422	1.7	48
61	Tree growth acceleration and expansion of alpine forests: The synergistic effect of atmospheric and edaphic change. <i>Science Advances</i> , 2016 , 2, e1501302	14.3	46
60	The combined effects of warming and drying suppress CO ₂ and N ₂ O emission rates in an alpine meadow of the eastern Tibetan Plateau. <i>Ecological Research</i> , 2012 , 27, 725-733	1.9	46
59	Formation of colloidal molecules induced by alternating-current electric fields. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7839-42	16.4	44
58	Rangeland privatization and its impacts on the Zoige wetlands on the Eastern Tibetan Plateau. <i>Journal of Mountain Science</i> , 2005 , 2, 105-115	2.1	43
57	Effects of warming on chlorophyll degradation and carbohydrate accumulation of Alpine herbaceous species during plant senescence on the Tibetan Plateau. <i>PLoS ONE</i> , 2014 , 9, e107874	3.7	37
56	Magnetic Microlassos for Reversible Cargo Capture, Transport, and Release. <i>Langmuir</i> , 2017 , 33, 5932-5937	4.7	36
55	Bulk synthesis of metal-organic hybrid dimers and their propulsion under electric fields. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4560-9	9.5	30
54	Analysis of dynamics and driving factors of wetland landscape in Zoige, Eastern Qinghai-Tibetan Plateau. <i>Journal of Mountain Science</i> , 2009 , 6, 42-55	2.1	28
53	Methane Fluxes from Alpine Wetlands of Zoige Plateau in Relation to Water Regime and Vegetation under Two Scales. <i>Water, Air, and Soil Pollution</i> , 2011 , 217, 173-183	2.6	26

52	Electric-Field Assisted Assembly of Colloidal Particles into Ordered Nonclose-Packed Arrays. <i>Langmuir</i> , 2017 , 33, 5769-5776	4	24
51	Colloidal structures of asymmetric dimers via orientation-dependent interactions. <i>Soft Matter</i> , 2014 , 10, 8349-57	3.6	24
50	Qinghai-Tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. <i>Ecosystem Health and Sustainability</i> , 2017 , 3, e01263	3.7	23
49	Monitoring vegetation recovery after China's May 2008 Wenchuan earthquake using Landsat TM time-series data: a case study in Mao County. <i>Ecological Research</i> , 2012 , 27, 955-966	1.9	23
48	Dynamics of evaporative colloidal patterning. <i>Physics of Fluids</i> , 2015 , 27, 092105	4.4	22
47	Within-twig biomass allocation in subtropical evergreen broad-leaved species along an altitudinal gradient: allometric scaling analysis. <i>Trees - Structure and Function</i> , 2009 , 23, 637-647	2.6	21
46	Effect of snow-cover duration on plant species diversity of alpine meadows on the eastern Qinghai-Tibetan Plateau. <i>Journal of Mountain Science</i> , 2008 , 5, 327-339	2.1	20
45	Intense methane ebullition from open water area of a shallow peatland lake on the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2016 , 542, 57-64	10.2	19
44	Microwheels on Microroads: Enhanced Translation on Topographic Surfaces. <i>Science Robotics</i> , 2019 , 4,	18.6	19
43	Photosynthetic response of <i>Fragaria orientalis</i> in different water contrast clonal integration. <i>Ecological Research</i> , 2009 , 24, 617-625	1.9	19
42	Reconfigurable microbots folded from simple colloidal chains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18186-18193	11.5	17
41	Impacts of Land-Use and Climate Change on Ecosystem Service in Eastern Tibetan Plateau, China. <i>Sustainability</i> , 2018 , 10, 467	3.6	16
40	Species-level phenological responses to global warming as evidenced by herbarium collections in the Tibetan Autonomous Region. <i>Biodiversity and Conservation</i> , 2013 , 22, 141-152	3.4	16
39	Colloidal molecules assembled from binary spheres under an AC electric field. <i>Soft Matter</i> , 2017 , 13, 436-444	3.6	15
38	High Carbon Dioxide Evasion from an Alpine Peatland Lake: The Central Role of Terrestrial Dissolved Organic Carbon Input. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2563-2569	2.6	15
37	Nitrous Oxide Emissions from Newly Created Littoral Marshes in the Drawdown Area of the Three Gorges Reservoir, China. <i>Water, Air, and Soil Pollution</i> , 2010 , 211, 25-33	2.6	15
36	Testing the generality of the 'leafing intensity premium' hypothesis in temperate broad-leaved forests: a survey of variation in leaf size within and between habitats. <i>Evolutionary Ecology</i> , 2010 , 24, 685-701	1.8	14
35	Prussian blue analogue functionalized magnetic microgels with ionized chitosan for the cleaning of cesium-contaminated clay. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121965	12.8	14

34	The Impact of Nonpolymerizable Swelling Agents On The Synthesis of Particles With Combined Geometric, Interfacial, and Compositional Anisotropy. <i>Langmuir</i> , 2015 , 31, 7962-9	4	12
33	Shrub island effects on a high-altitude forest cutover in the eastern Tibetan Plateau. <i>Annals of Forest Science</i> , 2011 , 68, 1127-1141	3.1	12
32	Change the Collective Behaviors of Colloidal Motors by Tuning Electrohydrodynamic Flow at the Subparticle Level. <i>Langmuir</i> , 2018 , 34, 952-960	4	11
31	Changes in methane oxidation ability and methanotrophic community composition across different climatic zones. <i>Journal of Soils and Sediments</i> , 2019 , 19, 533-543	3.4	11
30	Shifting dynamics of nature, society and agriculture in the Hindu Kush Himalayas: Perspectives for future mountain development. <i>Journal of Mountain Science</i> , 2019 , 16, 1133-1149	2.1	10
29	The Impact of Stern-Layer Conductivity on the Electrohydrodynamic Flow Around Colloidal Motors under an Alternating Current Electric Field. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900096	6	10
28	Molecular cloning of a novel chimeric HMW glutenin subunit gene 1Dx5? from a common wheat line W958. <i>Molecular Breeding</i> , 2011 , 28, 163-170	3.4	10
27	Effects of mixing pine and broadleaved tree/shrub litter on decomposition and N dynamics in laboratory microcosms. <i>Ecological Research</i> , 2009 , 24, 761-769	1.9	10
26	Ethnic and Cultural Diversity amongst Yak Herding Communities in the Asian Highlands. <i>Sustainability</i> , 2020 , 12, 957	3.6	9
25	Effect of chemical and physical heterogeneities on colloid-facilitated cesium transport. <i>Journal of Contaminant Hydrology</i> , 2018 , 213, 22-27	3.9	9
24	Unpalatable weed <i>Stellera chamaejasme</i> L. provides biotic refuge for neighboring species and conserves plant diversity in overgrazing alpine meadows on the Tibetan Plateau in China. <i>Journal of Mountain Science</i> , 2014 , 11, 746-754	2.1	9
23	Aftermath of the Wenchuan earthquake. <i>Frontiers in Ecology and the Environment</i> , 2009 , 7, 72-72	5.5	8
22	What Ecosystem Services Flowing from Linpan System A Cultural Landscape in Chengdu Plain, Southwest China. <i>Sustainability</i> , 2020 , 12, 4122	3.6	6
21	Variation in physicochemical and biochemical soil properties among different plant species treatments early in the restoration of a desertified alpine meadow. <i>Land Degradation and Development</i> , 2019 , 30, 1889-1903	4.4	6
20	Superparamagnetic colloidal chains prepared via Michael-addition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 540, 23-28	5.1	5
19	Functionalized Nanoparticles for the Dispersion of Gas Hydrates in Slurry Flow. <i>ACS Omega</i> , 2019 , 4, 13496-13508	3.9	5
18	Spatiotemporal Variations in Nitrous Oxide Emissions from an Open Fen on the Qinghai-Tibetan Plateau: a 3-Year Study. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 6025-6034	2.6	5
17	Holocene peatland development and carbon stock of Zoige peatlands, Tibetan Plateau: a modeling approach. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2032-2043	3.4	4

16	Bead-Based Microfluidic Sediment Analogues: Fabrication and Colloid Transport. <i>Langmuir</i> , 2016 , 32, 9342-50	4	4
15	Growth rate of mosses and their environmental determinants in subalpine coniferous forests and clear-cuts at the eastern edge of the Qinghai-Tibetan Plateau, China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2008 , 3, 171-176		4
14	Transport of Colloidal Particles in Microscopic Porous Medium Analogues with Surface Charge Heterogeneity: Experiments and the Fundamental Role of Single-Bead Deposition. <i>Environmental Science & Technology</i> , 2020 , 54, 13651-13660	10.3	4
13	Electric-Field-Driven Assembly of Dipolar Spheres Asymmetrically Confined between Two Electrodes. <i>ACS Nano</i> , 2021 , 15, 2399-2412	16.7	3
12	Synthesis and Propulsion of Magnetic Dimers under Orthogonally Applied Electric and Magnetic Fields. <i>Langmuir</i> , 2021 , 37, 9151-9161	4	3
11	Variation in the Soil Prokaryotic Community Under Simulated Warming and Rainfall Reduction in Different Water Table Peatlands of the Zoige Plateau. <i>Frontiers in Microbiology</i> , 2020 , 11, 343	5.7	2
10	Relationships between plant colonization and soil characteristics in the natural recovery of an earthquake-triggered debris flow gully in the Wanglang National Nature Reserve, China. <i>Journal of Mountain Science</i> , 2016 , 13, 59-68	2.1	2
9	Directed assembly of anisotropic particles under external fields 2018 , 131-165		2
8	Growth and potential reproduction of <i>Poa crymophila</i> in response to season precipitation shortage in the Eastern Tibetan Plateau, China. <i>Russian Journal of Ecology</i> , 2010 , 41, 147-152	0.7	2
7	Covalent organic frameworks functionalized electrodes for simultaneous removal of UO and ReO with fast kinetics and high capacities by electro-adsorption.. <i>Journal of Hazardous Materials</i> , 2022 , 429, 128315	12.8	2
6	Multiple Effects of Topographic Factors on Spatio-Temporal Variations of Vegetation Patterns in the Three Parallel Rivers Region, Southeast Qinghai-Tibet Plateau. <i>Remote Sensing</i> , 2022 , 14, 151	5	2
5	Impacts of wise grazing on physicochemical and biological features of soil in a sandy grassland on the Tibetan Plateau. <i>Land Degradation and Development</i> , 2019 , 30, 719-729	4.4	2
4	Farmers' Strategies to Climate Change and Urbanization: Potential of Ecosystem-Based Adaptation in Rural Chengdu, Southwest China.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	1
3	Methane emissions respond to soil temperature in convergent patterns but divergent sensitivities across wetlands along altitude. <i>Global Change Biology</i> , 2021 , 27, 941-955	11.4	1
2	Outlook and future directions 2018 , 335-344		
1	Integrated landscape approaches to building resilience and multifunctionality in the Kailash Sacred Landscape, China. <i>Journal of Mountain Science</i> , 1	2.1	