

Wei Qin

List of Publications by Year in descending order

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71
papers

3,627
citations

147801

31
h-index

133252

59
g-index

73
all docs

73
docs citations

73
times ranked

4594
citing authors

#	ARTICLE	IF	CITATIONS
1	The critical soil P levels for crop yield, soil fertility and environmental safety in different soil types. <i>Plant and Soil</i> , 2013, 372, 27-37.	3.7	272
2	Soil mulching significantly enhances yields and water and nitrogen use efficiencies of maize and wheat: a meta-analysis. <i>Scientific Reports</i> , 2015, 5, 16210.	3.3	249
3	Modeling Nutrient Flows in the Food Chain of China. <i>Journal of Environmental Quality</i> , 2010, 39, 1279-1289.	2.0	207
4	Nitrogen and phosphorus use efficiencies and losses in the food chain in China at regional scales in 1980 and 2005. <i>Science of the Total Environment</i> , 2012, 434, 51-61.	8.0	199
5	Factors affecting farmers' behaviour in pesticide use: Insights from a field study in northern China. <i>Science of the Total Environment</i> , 2015, 537, 360-368.	8.0	153
6	Downregulated circular RNA hsa_circ_0001649 regulates proliferation, migration and invasion in cholangiocarcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 455-461.	2.1	147
7	Evaluation of crop residues and manure production and their geographical distribution in China. <i>Journal of Cleaner Production</i> , 2018, 188, 954-965.	9.3	139
8	Environmental Assessment of Management Options for Nutrient Flows in the Food Chain in China. <i>Environmental Science & Technology</i> , 2013, 47, 7260-7268.	10.0	130
9	MoS ₂ reduced graphene oxide composites synthesized via a microwave-assisted method for visible-light photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2014, 4, 9647.	3.6	126
10	Spatio-temporal patterns of air pollution in China from 2015 to 2018 and implications for health risks. <i>Environmental Pollution</i> , 2020, 258, 113659.	7.5	125
11	Changes in Pig Production in China and Their Effects on Nitrogen and Phosphorus Use and Losses. <i>Environmental Science & Technology</i> , 2014, 48, 12742-12749.	10.0	120
12	Metal-organic framework derived porous CuO/Cu ₂ O composite hollow octahedrons as high performance anode materials for sodium ion batteries. <i>Chemical Communications</i> , 2015, 51, 16413-16416.	4.1	115
13	Mitigation of ammonia, nitrous oxide and methane emissions during solid waste composting with different additives: A meta-analysis. <i>Journal of Cleaner Production</i> , 2019, 235, 626-635.	9.3	101
14	Reduced frontal cortical thickness and increased caudate volume within fronto-striatal circuits in young adult smokers. <i>Drug and Alcohol Dependence</i> , 2015, 151, 211-219.	3.2	92
15	Drug nanoclusters formed in confined nano-cages of CD-MOF: dramatic enhancement of solubility and bioavailability of azilsartan. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 97-106.	12.0	91
16	Construction of a tumor microenvironment pH-responsive cleavable PEGylated hyaluronic acid nano-drug delivery system for colorectal cancer treatment. <i>Biomaterials Science</i> , 2020, 8, 1885-1896.	5.4	80
17	Water and nitrogen use efficiencies in citrus production: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2016, 222, 103-111.	5.3	71
18	Measures for reducing nitrate leaching in orchards: A review. <i>Environmental Pollution</i> , 2020, 263, 114553.	7.5	69

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19	Long-Term Monitoring of Rainfed Wheat Yield and Soil Water at the Loess Plateau Reveals Low Water Use Efficiency. <i>PLoS ONE</i> , 2013, 8, e78828.	2.5	55
20	Towards the circular nitrogen economy – A global meta-analysis of composting technologies reveals much potential for mitigating nitrogen losses. <i>Science of the Total Environment</i> , 2020, 704, 135401.	8.0	54
21	Changes in phosphorus use and losses in the food chain of China during 1950–2010 and forecasts for 2030. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 361-372.	2.2	53
22	Greenhouse gas and ammonia emissions and mitigation options from livestock production in peri-urban agriculture: Beijing – A case study. <i>Journal of Cleaner Production</i> , 2018, 178, 515-525.	9.3	53
23	Reduced fiber integrity and cognitive control in adolescents with internet gaming disorder. <i>Brain Research</i> , 2014, 1586, 109-117.	2.2	52
24	Public Perception of Water Consumption and Its Effects on Water Conservation Behavior. <i>Water (Switzerland)</i> , 2014, 6, 1771-1784.	2.7	51
25	Revealing microbial processes and nutrient limitation in soil through ecoenzymatic stoichiometry and glomalin-related soil proteins in a retreating glacier forefield. <i>Geoderma</i> , 2019, 338, 313-324.	5.1	49
26	Productivity and sustainability of rainfed wheat-soybean system in the North China Plain: results from a long-term experiment and crop modelling. <i>Scientific Reports</i> , 2015, 5, 17514.	3.3	48
27	Modelling the effect of mulching on soil heat transfer, water movement and crop growth for ground cover rice production system. <i>Field Crops Research</i> , 2017, 201, 97-107.	5.1	45
28	Bisphenol A, an environmental estrogen-like toxic chemical, induces cardiac fibrosis by activating the ERK1/2 pathway. <i>Toxicology Letters</i> , 2016, 250-251, 1-9.	0.8	42
29	Modeling urban expansion by using variable weights logistic cellular automata: a case study of Nanjing, China. <i>International Journal of Geographical Information Science</i> , 2017, 31, 1314-1333.	4.8	35
30	Modelling groundwater level dynamics under different cropping systems and developing groundwater neutral systems in the North China Plain. <i>Agricultural Water Management</i> , 2019, 213, 732-741.	5.6	35
31	Agricultural nitrogen and phosphorus emissions to water and their mitigation options in the Haihe Basin, China. <i>Agricultural Water Management</i> , 2019, 212, 262-272.	5.6	34
32	Controlling mesenchymal stem cells differentiate into contractile smooth muscle cells on a TiO2 micro/nano interface: Towards benign pericytes environment for endothelialization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 410-419.	5.0	33
33	International trade of animal feed: its relationships with livestock density and N and P balances at country level. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 197-211.	2.2	32
34	Developing a water and nitrogen management model for greenhouse vegetable production in China: Sensitivity analysis and evaluation. <i>Ecological Modelling</i> , 2018, 367, 24-33.	2.5	32
35	Exploring optimal catch crops for reducing nitrate leaching in vegetable greenhouse in North China. <i>Agricultural Water Management</i> , 2019, 212, 273-282.	5.6	31
36	Environmental, economic and social analysis of peri-urban pig production. <i>Journal of Cleaner Production</i> , 2016, 129, 596-607.	9.3	30

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37	Ground cover rice production system reduces water consumption and nitrogen loss and increases water and nitrogen use efficiencies. <i>Field Crops Research</i> , 2019, 233, 70-79.	5.1	29
38	Sweet corn significantly increases nitrogen retention and reduces nitrogen leaching as summer catch crop in protected vegetable production systems. <i>Soil and Tillage Research</i> , 2018, 180, 148-153.	5.6	25
39	Long non-coding RNA CCAT2 promotes cholangiocarcinoma cells migration and invasion by induction of epithelial-to-mesenchymal transition. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 121-127.	5.6	25
40	Can dietary manipulations improve the productivity of pigs with lower environmental and economic cost? A global meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2020, 289, 106748.	5.3	24
41	Disrupted inter-hemispheric functional and structural coupling in Internet addiction adolescents. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 157-163.	1.8	23
42	Prostate Cancer Stem Cells and Nanotechnology: A Focus on Wnt Signaling. <i>Frontiers in Pharmacology</i> , 2017, 8, 153.	3.5	23
43	Scalable synthesis and superior performance of TiO ₂ -reduced graphene oxide composite anode for sodium-ion batteries. <i>Ionics</i> , 2016, 22, 555-562.	2.4	22
44	Exploring optimal nitrogen management for high yielding maize in arid areas via 15N-labeled technique. <i>Geoderma</i> , 2021, 382, 114711.	5.1	21
45	Material distributions and functional structures in probiotic microcapsules. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 1-8.	4.0	17
46	Novel reduced graphene oxide wrapped Bi ₂ .38Mo _{0.81} O ₆ microspheres for highly efficient visible light photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 235-240.	9.4	15
47	Automated lung ultrasound scoring for evaluation of coronavirus disease 2019 pneumonia using two-stage cascaded deep learning model. <i>Biomedical Signal Processing and Control</i> , 2022, 75, 103561.	5.7	15
48	Optimization of taste-masking on ibuprofen microspheres with selected structure features. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 174-182.	9.1	14
49	Study on the Plugging Ability of Polymer Gel Particle for the Profile Control in Reservoir. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 34-40.	2.4	13
50	Down-regulation of insulin-degrading enzyme by presenilin-1 Δ V97L mutant potentially underlies increased levels of amyloid beta Δ 42. <i>European Journal of Neuroscience</i> , 2008, 27, 2425-2432.	2.6	11
51	Nutrient use efficiencies, losses, and abatement strategies for peri-urban dairy production systems. <i>Journal of Environmental Management</i> , 2018, 228, 232-238.	7.8	11
52	Exploring optimal fertigation strategies for orange production, using soil-crop modelling. <i>Agriculture, Ecosystems and Environment</i> , 2016, 223, 31-40.	5.3	10
53	Recent Development and Challenges in Spectroscopy and Machine Vision Technologies for Crop Nitrogen Diagnosis: A Review. <i>Remote Sensing</i> , 2020, 12, 2578.	4.0	9
54	Review on drivers, trends and emerging issues of the food wastage in China. <i>Frontiers of Agricultural Science and Engineering</i> , 2015, 2, 159.	1.4	9

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55	Contribution and Driving Mechanism of N ₂ O Emission Bursts in a Chinese Vegetable Greenhouse after Manure Application and Irrigation. <i>Sustainability</i> , 2019, 11, 1624.	3.2	8
56	Predicting responses to electroconvulsive therapy in schizophrenia patients undergoing antipsychotic treatment: Baseline functional connectivity among regions with strong electric field distributions. <i>Psychiatry Research - Neuroimaging</i> , 2020, 299, 111059.	1.8	8
57	An improved microelectrode method reveals significant emission of nitrous oxide from the rhizosphere of a long-term fertilized soil in the North China Plain. <i>Science of the Total Environment</i> , 2021, 783, 147011.	8.0	6
58	Combining application of chemical fertilizer with manure significantly increased potassium availability in an alkaline soil. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 116, 285-298.	2.2	5
59	Within-field spatial variations in subsoil bulk density related to crop yield and potential CO ₂ and N ₂ O emissions. <i>Catena</i> , 2022, 213, 106156.	5.0	5
60	Soil Compaction Prevention, Amelioration and Alleviation Measures Are Effective in Mechanized and Smallholder Agriculture: A Meta-Analysis. <i>Land</i> , 2022, 11, 645.	2.9	5
61	Exploring optimal soil mulching to enhance maize yield and water use efficiency in dryland areas in China. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 273-282.	0.6	4
62	Effects of mulching and maize cultivars on grain yield and photosynthetic characteristics in the Loess Plateau. <i>Agronomy Journal</i> , 2020, 112, 3629-3643.	1.8	3
63	Catch crop planting and residue incorporation to reduce nitrogen leaching in intensive vegetable greenhouse field. <i>Journal of Environmental Quality</i> , 2021, , .	2.0	3
64	Impacts of international food and feed trade on nitrogen balances and nitrogen use efficiencies of food systems. <i>Science of the Total Environment</i> , 2022, 838, 156151.	8.0	3
65	Evaluating agronomic factors for maize production in a semi-árid Loess Plateau. <i>Agronomy Journal</i> , 2021, 113, 5157-5169.	1.8	2
66	Hybrid model of photon propagation based on the analytical and Monte Carlo methods for a dual-head PET system. <i>Physics in Medicine and Biology</i> , 2021, 66, 175008.	3.0	2
67	Genome Editing in Zebrafish by ScCas9 Recognizing NNG PAM. <i>Cells</i> , 2021, 10, 2099.	4.1	1
68	Enhanced visible light photocatalytic degradation of Rhodamine B by Bi/Bi ₂ MoO ₆ hollow microsphere composites. <i>RSC Advances</i> , 2014, , .	3.6	0
69	P1á€210: DAPK1 IS REQUIRED FOR THE EARLY NEURONAL DAMAGE AND COGNITIVE IMPAIRMENT INDUCED BY AÎ ² OLIGOMERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P359.	0.8	0
70	Influence of phase inhomogeneity on the mechanical behavior of microscale Cu/Snâ€“58Bi/Cu solder joints. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 244.	2.2	0
71	Straw Incorporation Effects on Net Photosynthetic Carbon Assimilation and Maize Growth. <i>Frontiers in Agronomy</i> , 2022, 4, .	3.3	0