Ping Lu

List of Publications by Year
in descending order

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74	1,753	304743 22	330143 37
papers	citations	h-index	g-index

75	75	75	1677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Density Genetic Linkage Map Construction and QTL Mapping of Grain Shape and Size in the Wheat Population Yanda1817 Ã— Beinong6. PLoS ONE, 2015, 10, e0118144.	2.5	167
2	A rare gain of function mutation in a wheat tandem kinase confers resistance to powdery mildew. Nature Communications, 2020, 11, 680.	12.8	119
3	A rare single nucleotide variant in Pm5e confers powdery mildew resistance in common wheat. New Phytologist, 2020, 228, 1011-1026.	7.3	92
4	A CNL protein in wild emmer wheat confers powdery mildew resistance. New Phytologist, 2020, 228, 1027-1037.	7.3	89
5	Fine genetic mapping of spot blotch resistance gene Sb3 in wheat (Triticum aestivum). Theoretical and Applied Genetics, 2016, 129, 577-589.	3.6	71
6	Synthesis and Antiviral Bioactivities of Î±-Aminophosphonates Containing Alkoxyethyl Moieties. Molecules, 2006, 11, 666-676.	3.8	70
7	Mapping stripe rust resistance gene YrZH22 in Chinese wheat cultivar Zhoumai 22 by bulked segregant RNA-Seq (BSR-Seq) and comparative genomics analyses. Theoretical and Applied Genetics, 2017, 130, 2191-2201.	3.6	67
8	Artemisinin derivatives prevent obesity by inducing browning of WAT and enhancing BAT function. Cell Research, 2016, 26, 1169-1172.	12.0	62
9	Wheat powdery mildew resistance gene Pm64 derived from wild emmer (Triticum turgidum var.) Tj ETQq1 1 0.784314 rgBT /Overlock 1 761-770.	5.2	57
10	The coordination state of B and Al of borosilicate glass by IR spectra. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 419-421.	1.0	54
11	Synthesis and Antifungal Activity of Novel ChiralÎ±-Aminophosphonates Containing Fluorine Moiety. Chinese Journal of Chemistry, 2006, 24, 1581-1588.	4.9	52
12	Identification and fine mapping of spot blotch (Bipolaris sorokiniana) resistance gene Sb4 in wheat. Theoretical and Applied Genetics, 2020, 133, 2451-2459.	3.6	41
13	Numerical simulation of the Marangoni effect on transient mass transfer from single moving deformable drops. AICHE Journal, 2011, 57, 2670-2683.	3.6	38
14	Fine Physical and Genetic Mapping of Powdery Mildew Resistance Gene MlIW172 Originating from Wild Emmer (Triticum dicoccoides). PLoS ONE, 2014, 9, e100160.	2.5	36
15	Mapping stripe rust resistance genes by BSR-Seq: YrMM58 and YrHY1 on chromosome 2AS in Chinese wheat lines Mengmai 58 and Huaiyang 1 are Yr17. Crop Journal, 2018, 6, 91-98.	5.2	33
16	Comparative genetic mapping and genomic region collinearity analysis of the powdery mildew resistance gene Pm41. Theoretical and Applied Genetics, 2014, 127, 1741-1751.	3.6	32
17	Residues, dissipation kinetics, and dietary intake risk assessment of two fungicides in grape and soil. Regulatory Toxicology and Pharmacology, 2018, 100, 72-79.	2.7	32
18	Wind tunnel simulation of the threeâ€dimensional airflow patterns around shrubs. Journal of Geophysical Research, 2008, 113, .	3.3	31

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19	Experimental investigation and numerical simulation of Marangoni effect induced by mass transfer during drop formation. AICHE Journal, 2013, 59, 4424-4439.	3.6	27
20	BMP4 mediates the interplay between adipogenesis and angiogenesis during expansion of subcutaneous white adipose tissue. Journal of Molecular Cell Biology, 2016, 8, 302-312.	3.3	25
21	Multiresidue determination of pyrethroid pesticide residues in pepper through a modified QuEChERS method and gas chromatography with electron capture detection. Biomedical Chromatography, 2016, 30, 142-148.	1.7	25
22	Mapping a leaf senescence gene els1 by BSR-Seq in common wheat. Crop Journal, 2018, 6, 236-243.	5.2	25
23	The enantioselective toxicity and oxidative stress of dinotefuran on zebrafish (Danio rerio). Ecotoxicology and Environmental Safety, 2021, 226, 112809.	6.0	24
24	Determination of Dufulin Residue in Vegetables, Rice, and Tobacco Using Liquid Chromatography with Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2015, 98, 1739-1744.	1.5	22
25	Comparative fine mapping of the Wax 1 (W1) locus in hexaploid wheat. Theoretical and Applied Genetics, 2015, 128, 1595-1603.	3.6	22
26	Turbulence fields in the lee of twoâ€dimensional transverse dunes simulated in a wind tunnel. Earth Surface Processes and Landforms, 2009, 34, 204-216.	2.5	21
27	Dissipation, residues and risk assessment of spirotetramat and its four metabolites in citrus and soil under field conditions by LCâ€MS/MS. Biomedical Chromatography, 2018, 32, e4153.	1.7	20
28	Simultaneous Determination of Flonicamid and its Metabolites in Tea by Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Letters, 2019, 52, 948-961.	1.8	19
29	Bulked segregant CGTâ€Seqâ€facilitated mapâ€based cloning of a powdery mildew resistance gene originating from wild emmer wheat (Triticum dicoccoides). Plant Biotechnology Journal, 2021, 19, 1288-1290.	8.3	18
30	Multiresidue analysis and dietary risk assessment of pesticides in eight minor vegetables from Guizhou, China. Food Chemistry, 2022, 380, 131863.	8.2	17
31	Bioaccessibility of heavy metals in vegetables and its association with the physicochemical characteristics. Environmental Science and Pollution Research, 2016, 23, 5335-5341.	5.3	14
32	Synthesis and Antiviral Activities of Chiral Thiourea Derivatives. Chinese Journal of Chemistry, 2009, 27, 593-601.	4.9	13
33	Synthesis of Hapten and Development of Immunoassay Based on Monoclonal Antibody for the Detection of Dufulin in Agricultural Samples. Journal of Agricultural and Food Chemistry, 2013, 61, 10302-10309.	5.2	13
34	Dissipation, residues and risk assessment of oxine-copper and pyraclostrobin in citrus. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2019, 36, 1538-1550.	2.3	13
35	In situ and rapid determination of acetamiprid residue on cabbage leaf using surfaceâ€enhanced Raman scattering. Journal of the Science of Food and Agriculture, 2021, 101, 3595-3604.	3.5	13
36	Functional characterization of powdery mildew resistance gene MlIW172, a new Pm60 allele and its allelic variation in wild emmer wheat. Journal of Genetics and Genomics, 2022, 49, 787-795.	3.9	13

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37	Determination of Thiophanate-Methyl and Carbendazim in Rapeseed by Solidâ€“Phase Extraction and Ultraâ€“High Performance Chromatography with Photodiode Array Detection. Instrumentation Science and Technology, 2015, 43, 511-523.	1.8	12
38	Vaporâ€“Liquid Equilibrium for Binary Systems of Allyl Alcohol + Water and Allyl Alcohol + Benzene at 101.3 kPa. Journal of Chemical & Engineering Data, 2017, 62, 3004-3008.	1.9	12
39	Dissipation, residues, and risk assessment of imidacloprid in Zizania latifolia and purple sweet potato under field conditions using LC-MS/MS. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 89-97.	1.5	12
40	Fine mapping of powdery mildew resistance gene MlWE74 derived from wild emmer wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1235-1245.	3.6	12
41	Enantioselective bioaccumulation and toxicity of rac-sulfoxaflor in zebrafish (Danio rerio). Science of the Total Environment, 2022, 817, 153007.	8.0	11
42	Degradation of Sulfoxaflor in Water and Soil: Kinetics, Degradation Pathways, Transformation Product Identification, and Toxicity. Journal of Agricultural and Food Chemistry, 2022, 70, 3400-3408.	5.2	11
43	An analysis of drag force and moment for upright porous wind fences. Journal of Geophysical Research, 2008, 113, .	3.3	10
44	Dissipation rates of dufulin residues in paddy, soil, and water determined by ultra-performance liquid chromatography coupled with photo-diode array detection. International Journal of Environmental Analytical Chemistry, 2014, 94, 370-380.	3.3	10
45	Development and Validation of a Liquid Chromatographyâ€“Tandem Mass Spectrometry Method for Multiresidue Determination of 25 Herbicides in Soil and Tobacco. Chromatographia, 2020, 83, 229-239.	1.3	10
46	Detection of carbamazepine in saliva based on surface-enhanced Raman spectroscopy. Biomedical Optics Express, 2021, 12, 7673-7688.	2.9	10
47	Synthesis and biological activity of novel 1â€²(2,3,4â€²trimethoxyphenyl)â€²2â€²[5â€²(3,4,5â€²trimethoxyphenyl)â€²1,3,4â€²thiadiazolâ€²2â€²yl]thio}ethanone oxime ester derivatives. Journal of Heterocyclic Chemistry, 2006, 43, 867-871.	2.6	9
48	Dissipation Rate and Residue Distribution of Dufulin in Tomato and Soil Under Field Conditions. Bulletin of Environmental Contamination and Toxicology, 2014, 92, 752-757.	2.7	9
49	Molecular mapping of YrTZ2, a stripe rust resistance gene in wild emmer accession TZ-2 and its comparative analyses with Aegilops tauschii. Journal of Integrative Agriculture, 2018, 17, 1267-1275.	3.5	9
50	Rapid Determination of Mixed Pesticide Residues on Apple Surfaces by Surface-Enhanced Raman Spectroscopy. Foods, 2022, 11, 1089.	4.3	9
51	Insight into the toxic effects, bioconcentration and oxidative stress of acetamiprid on Rana nigromaculata tadpoles. Chemosphere, 2022, 305, 135380.	8.2	9
52	Chiral Separation of Novel Î± â€Aminophosphonates Containing a Benzothiazole Moiety by Liquid Chromatography Using an Amylose Stationary Phase. Chinese Journal of Chemistry, 2008, 26, 1659-1665.	4.9	8
53	Aeolian sand transport above three desert surfaces in northern China with different characteristics (shifting sand, straw checkerboard, and gravel): field observations. Environmental Earth Sciences, 2016, 75, 1.	2.7	8
54	Oligomeric Proanthocyanidins and Bamboo Leaf Flavonoids Improve the Quality of Bull Semen Cryopreservation. Molecules, 2022, 27, 1144.	3.8	8

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55	Interfered chromosome pairing at high temperature promotes meiotic instability in autotetraploid Arabidopsis. Plant Physiology, 2022, 188, 1210-1228.	4.8	8
56	Wind tunnel experiments on the turbulent transmission over the near surface layer of different surfaces. Environmental Geology, 2006, 50, 983-988.	1.2	7
57	Effects of Apigenin and Astragalus Polysaccharide on the Cryopreservation of Bull Semen. Animals, 2021, 11, 1506.	2.3	7
58	Stereoselective Bioaccumulation of Water and Soil-Associated Dufulin Enantiomers in Tubifex. Journal of Agricultural and Food Chemistry, 2017, 65, 8569-8577.	5.2	6
59	Residue dynamics and risk assessment of dimethoate in sweet potato, purple flowering stalk, Chinese kale, celery, and soil. Human and Ecological Risk Assessment (HERA), 2018, 24, 767-783.	3.4	6
60	A Sensitive SERS Method for Determination of Pymetrozine in Apple and Cabbage Based on an Easily Prepared Substrate. Foods, 2021, 10, 1874.	4.3	6
61	Epigallocatechin 3â€gallate improves the quality of bull semen cryopreservation. Andrologia, 2022, 54, e14310.	2.1	6
62	Hydroxylation of benzene to phenol on Cu x O y @C with hydrogen peroxide. Reaction Kinetics, Mechanisms and Catalysis, 2016, 117, 693-704.	1.7	5
63	Dissipation and sorptionâ€“desorption of benzisothiazolinone in agricultural soils and identification of its metabolites. RSC Advances, 2021, 11, 5399-5410.	3.6	5
64	Dissipation rates of saisentong residues in fresh tobacco, tobacco powder and soil determined by high-performance liquid chromatography coupled with diode array detection. International Journal of Environmental Analytical Chemistry, 2017, 97, 355-367.	3.3	4
65	Oxidative Stress and Enantioselective Degradation of Dufulin on Tubifex. Environmental Toxicology and Chemistry, 2020, 39, 2136-2146.	4.3	4
66	Simultaneous Determination of Rimsulfuron and Haloxyfop-P-methyl and Its Metabolite Haloxyfop in Tobacco Leaf by LC-MS/MS. Journal of AOAC INTERNATIONAL, 2019, 102, 1632-1640.	1.5	4
67	Development of a polyclonal antibody-based indirect competitive enzyme-linked immunosorbent assay to detect dufulin residue in water, soil and agricultural samples. Food and Agricultural Immunology, 2017, 28, 904-915.	1.4	3
68	Dissipation, Processing, Leaching, and Safety Evaluation of Flonicamid and Its Metabolites in Tea. Journal of AOAC INTERNATIONAL, 2020, 103, 1441-1450.	1.5	3
69	Insight into the differences in the toxicity mechanisms of dinotefuran enantiomers in zebrafish by UPLC-Q/TOFâ€“MS. Environmental Science and Pollution Research, 2022, 29, 70833-70841.	5.3	3
70	Combined Experimental and Computational Study on the Transformation of a Novel 1,3,4-Oxadiazole Thioether Nematicide in Aqueous Solutions. Journal of Agricultural and Food Chemistry, 2022, 70, 8963-8973.	5.2	3
71	Effects of SnO on structure and properties of borosilicate glasses. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 547-550.	1.0	2
72	Residue determination and risk assessment of benziothiazolinone in citrus by LC-MS/MS. International Journal of Environmental Analytical Chemistry, 2021, 101, 668-679.	3.3	2

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73	Simultaneous Determination of Rimsulfuron and Haloxyfop-P-methyl and Its Metabolite Haloxyfop in Tobacco Leaf by LC-MS/MS. Journal of AOAC INTERNATIONAL, 2019, 102, 1632-1640.	1.5	1
74	Realâ€time and inâ€situ monitoring of organosiliconâ€induced thiram penetration into cabbage leaves by surfaceâ€enhanced Raman scattering mapping. Journal of the Science of Food and Agriculture, 0, , .	3.5	1