Jia-Yu Xue

List of Publications by Year
in descending order

47 papers	3,338 citations	201385 27 h-index	214527 47 g-index
51 all docs	51 docs citations	51 times ranked	4631 citing authors

#	Article	IF	Citations
1	The <i>Amborella</i> Genome and the Evolution of Flowering Plants. Science, 2013, 342, 1241089.	6.0	743
2	Large-Scale Analyses of Angiosperm Nucleotide-Binding Site-Leucine-Rich Repeat Genes Reveal Three Anciently Diverged Classes with Distinct Evolutionary Patterns. Plant Physiology, 2016, 170, 2095-2109.	2.3	269
3	Presence of three mycorrhizal genes in the common ancestor of land plants suggests a key role of mycorrhizas in the colonization of land by plants. New Phytologist, 2010, 186, 514-525.	3.5	246
4	The hornwort genome and early land plant evolution. Nature Plants, 2020, 6, 107-118.	4.7	203
5	Angiosperm phylogeny inferred from sequences of four mitochondrial genes. Journal of Systematics and Evolution, 2010, 48, 391-425.	1.6	173
6	Long-Term Evolution of Nucleotide-Binding Site-Leucine-Rich Repeat Genes: Understanding Gained from and beyond the Legume Family Â Â. Plant Physiology, 2014, 166, 217-234.	2.3	161
7	Revisiting the Origin of Plant NBS-LRR Genes. Trends in Plant Science, 2019, 24, 9-12.	4.3	128
8	Uncovering the dynamic evolution of nucleotideâ€binding siteâ€leucineâ€rich repeat (NBSâ€LRR) genes in Brassicaceae. Journal of Integrative Plant Biology, 2016, 58, 165-177.	4.1	105
9	The complete mitochondrial genome sequence of the hornwort Phaeoceros laevis: retention of many ancient pseudogenes and conservative evolution of mitochondrial genomes in hornworts. Current Genetics, 2010, 56, 53-61.	0.8	84
10	The Cycas genome and the early evolution of seed plants. Nature Plants, 2022, 8, 389-401.	4.7	80
11	The Mitochondrial Genomes of the Early Land Plants Treubia lacunosa and Anomodon rugelii: Dynamic and Conservative Evolution. PLoS ONE, 2011, 6, e25836.	1.1	76
12	Synthesis and biological evaluation of novel luteolin derivatives as antibacterial agents. European Journal of Medicinal Chemistry, 2009, 44, 908-914.	2.6	70
13	Evolution of the KCS gene family in plants: the history of gene duplication, sub/neofunctionalization and redundancy. Molecular Genetics and Genomics, 2016, 291, 739-752.	1.0	65
14	Distinct Patterns of Gene Gain and Loss: Diverse Evolutionary Modes of NBS-Encoding Genes in Three Solanaceae Crop Species. G3: Genes, Genomes, Genetics, 2017, 7, 1577-1585.	0.8	61
15	Genome- Wide Analysis of the Nucleotide Binding Site Leucine-Rich Repeat Genes of Four Orchids Revealed Extremely Low Numbers of Disease Resistance Genes. Frontiers in Genetics, 2019, 10, 1286.	1.1	61
16	Design, synthesis and biological evaluation of N-phenylquinazolin-4-amine hybrids as dual inhibitors of VEGFR-2 and HDAC. European Journal of Medicinal Chemistry, 2016, 109, 1-12.	2.6	60
17	The complete mitochondrial genome sequence of the liverwort Pleurozia purpurea reveals extremely conservative mitochondrial genome evolution in liverworts. Current Genetics, 2009, 55, 601-609.	0.8	56
18	A Primary Survey on Bryophyte Species Reveals Two Novel Classes of Nucleotide-Binding Site (NBS) Genes. PLoS ONE, 2012, 7, e36700.	1.1	54

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19	Whole-genome microsynteny-based phylogeny of angiosperms. Nature Communications, 2021, 12, 3498.	5.8	53
20	Discovery of quinazolin-4-amines bearing benzimidazole fragments as dual inhibitors of c-Met and VEGFR-2. Bioorganic and Medicinal Chemistry, 2014, 22, 4735-4744.	1.4	51
21	Synthesis, crystal structure and antimicrobial activity of deoxybenzoin derivatives from genistein. European Journal of Medicinal Chemistry, 2008, 43, 662-667.	2.6	45
22	Loss/retention and evolution of NBS-encoding genes upon whole genome triplication of Brassica rapa. Gene, 2014, 540, 54-61.	1.0	45
23	The Mitochondrial Genome of the Lycophyte Huperzia squarrosa: The Most Archaic Form in Vascular Plants. PLoS ONE, 2012, 7, e35168.	1.1	42
24	Synthesis, Characterization, and Antibacterial and Cytotoxic Study of Metal Complexes with Schiff Base Ligands. Australian Journal of Chemistry, 2008, 61, 288.	0.5	38
25	Novel 2,4,5-trisubstituted oxazole derivatives: Synthesis and antiproliferative activity. European Journal of Medicinal Chemistry, 2009, 44, 3930-3935.	2.6	38
26	Discovery of N-(2-phenyl-1H-benzo[d]imidazol-5-yl)quinolin-4-amine derivatives as novel VEGFR-2 kinase inhibitors. European Journal of Medicinal Chemistry, 2014, 84, 698-707.	2.6	38
27	Hybrids from 4-anilinoquinazoline and hydroxamic acid as dual inhibitors of vascular endothelial growth factor receptor-2 and histone deacetylase. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5137-5141.	1.0	35
28	A chromosome-level genome assembly of rugged rose (Rosa rugosa) provides insights into its evolution, ecology, and floral characteristics. Horticulture Research, 2021, 8, 141.	2.9	29
29	Synthesis, structure, and structureâ€“activity relationship analysis of enamines as potential antibacterials. Bioorganic and Medicinal Chemistry, 2007, 15, 4212-4219.	1.4	23
30	Enamines as novel antibacterials and their structureâ€“activity relationships. European Journal of Medicinal Chemistry, 2008, 43, 1828-1836.	2.6	23
31	Design, synthesis and antibacterial activity studies of thiazole derivatives as potent ecKAS III inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4235-4238.	1.0	22
32	Divergence and Conservative Evolution of XTNX Genes in Land Plants. Frontiers in Plant Science, 2017, 8, 1844.	1.7	22
33	Maternal Inheritance of Uâ€™s Triangle and Evolutionary Process of Brassica Mitochondrial Genomes. Frontiers in Plant Science, 2020, 11, 805.	1.7	21
34	Synthesis of Resveratrol Analogues, and Evaluation of Their Cytotoxic and Xanthine Oxidase Inhibitory Activities. Chemistry and Biodiversity, 2008, 5, 636-642.	1.0	18
35	Mitochondrial genes from 18 angiosperms fill sampling gaps for phylogenomic inferences of the early diversification of flowering plants. Journal of Systematics and Evolution, 2022, 60, 773-788.	1.6	16
36	Complete mitochondrial genome sequence of Anthoceros angustus: conservative evolution of the mitogenomes in hornworts. Bryologist, 2018, 121, 14.	0.1	13

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37	Discovery of novel VEGFR-2 inhibitors embedding 6,7-dimethoxyquinazoline and diarylamide fragments. Bioorganic and Medicinal Chemistry Letters, 2021, 36, 127788.	1.0	13
38	The genome of <i>Hibiscus hamabo</i> reveals its adaptation to saline and waterlogged habitat. Horticulture Research, 2022, 9, uhac067.	2.9	12
39	Evolution of NLR Resistance Genes in Magnoliids: Dramatic Expansions of CNLs and Multiple Losses of TNLs. Frontiers in Plant Science, 2021, 12, 777157.	1.7	11
40	Editorial: Evolution and Functional Mechanisms of Plant Disease Resistance. Frontiers in Genetics, 2020, 11, 593240.	1.1	8
41	Synthesis of Î±-Aminoalkyl Phosphonate Derivatives of Resveratrol as Potential Antitumour Agents. Australian Journal of Chemistry, 2008, 61, 472.	0.5	7
42	Synthesis and Structure - Activity Relationship Analysis of Enamines as Potential Antibacterial Agents. Australian Journal of Chemistry, 2007, 60, 957.	0.5	5
43	Regulation of FATTY ACID ELONGATION1 expression and production in Brassica oleracea and Capsella rubella. Planta, 2017, 246, 763-778.	1.6	5
44	Taxonomic and phylogenetic significance of leaf venation characteristics in Dioscorea plants. Archives of Biological Sciences, 2018, 70, 397-407.	0.2	4
45	Insertion DNA Accelerates Meiotic Interchromosomal Recombination in<i>Arabidopsis thaliana</i>. Molecular Biology and Evolution, 2016, 33, 2044-2053.	3.5	3
46	Fitness benefits play a vital role in the retention of the <i>Pi-ta</i> susceptible alleles. Genetics, 2022, 220, .	1.2	2
47	Evolution of Reproductive Traits and Implications for Adaptation and Diversification in the Yam Genus Dioscorea L.. Diversity, 2022, 14, 349.	0.7	1