

# Jia-Yu Xue

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

3,338  
citations

201674

27  
h-index

214800

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. <i>Science</i> , 2013, 342, 1241089.	12.6	743
2	Large-Scale Analyses of Angiosperm Nucleotide-Binding Site-Leucine-Rich Repeat Genes Reveal Three Anciently Diverged Classes with Distinct Evolutionary Patterns. <i>Plant Physiology</i> , 2016, 170, 2095-2109.	4.8	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. <i>New Phytologist</i> , 2010, 186, 514-525.	7.3	246
4	The hornwort genome and early land plant evolution. <i>Nature Plants</i> , 2020, 6, 107-118.	9.3	203
5	Angiosperm phylogeny inferred from sequences of four mitochondrial genes. <i>Journal of Systematics and Evolution</i> , 2010, 48, 391-425.	3.1	173
6	Long-Term Evolution of Nucleotide-Binding Site-Leucine-Rich Repeat Genes: Understanding Gained from and beyond the Legume Family <i>Á Á</i> . <i>Plant Physiology</i> , 2014, 166, 217-234.	4.8	161
7	Revisiting the Origin of Plant NBS-LRR Genes. <i>Trends in Plant Science</i> , 2019, 24, 9-12.	8.8	128
8	Uncovering the dynamic evolution of nucleotide-binding site-leucine-rich repeat (NBS-LRR) genes in Brassicaceae. <i>Journal of Integrative Plant Biology</i> , 2016, 58, 165-177.	8.5	105
9	The complete mitochondrial genome sequence of the hornwort <i>Phaeoceros laevis</i> : retention of many ancient pseudogenes and conservative evolution of mitochondrial genomes in hornworts. <i>Current Genetics</i> , 2010, 56, 53-61.	1.7	84
10	The <i>Cycas</i> genome and the early evolution of seed plants. <i>Nature Plants</i> , 2022, 8, 389-401.	9.3	80
11	The Mitochondrial Genomes of the Early Land Plants <i>Treubia lacunosa</i> and <i>Anomodon rugelii</i> : Dynamic and Conservative Evolution. <i>PLoS ONE</i> , 2011, 6, e25836.	2.5	76
12	Synthesis and biological evaluation of novel luteolin derivatives as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 908-914.	5.5	70
13	Evolution of the KCS gene family in plants: the history of gene duplication, sub/neofunctionalization and redundancy. <i>Molecular Genetics and Genomics</i> , 2016, 291, 739-752.	2.1	65
14	Distinct Patterns of Gene Gain and Loss: Diverse Evolutionary Modes of NBS-Encoding Genes in Three Solanaceae Crop Species. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 1577-1585.	1.8	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. <i>Frontiers in Genetics</i> , 2019, 10, 1286.	2.3	61
16	Design, synthesis and biological evaluation of N-phenylquinazolin-4-amine hybrids as dual inhibitors of VEGFR-2 and HDAC. <i>European Journal of Medicinal Chemistry</i> , 2016, 109, 1-12.	5.5	60
17	The complete mitochondrial genome sequence of the liverwort <i>Pleurozia purpurea</i> reveals extremely conservative mitochondrial genome evolution in liverworts. <i>Current Genetics</i> , 2009, 55, 601-609.	1.7	56
18	A Primary Survey on Bryophyte Species Reveals Two Novel Classes of Nucleotide-Binding Site (NBS) Genes. <i>PLoS ONE</i> , 2012, 7, e36700.	2.5	54

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19	Whole-genome microsynteny-based phylogeny of angiosperms. <i>Nature Communications</i> , 2021, 12, 3498.	12.8	53
20	Discovery of quinazolin-4-amines bearing benzimidazole fragments as dual inhibitors of c-Met and VEGFR-2. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4735-4744.	3.0	51
21	Synthesis, crystal structure and antimicrobial activity of deoxybenzoin derivatives from genistein. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 662-667.	5.5	45
22	Loss/retention and evolution of NBS-encoding genes upon whole genome triplication of <i>Brassica rapa</i> . <i>Gene</i> , 2014, 540, 54-61.	2.2	45
23	The Mitochondrial Genome of the Lycophyte <i>Huperzia squarrosa</i> : The Most Archaic Form in Vascular Plants. <i>PLoS ONE</i> , 2012, 7, e35168.	2.5	42
24	Synthesis, Characterization, and Antibacterial and Cytotoxic Study of Metal Complexes with Schiff Base Ligands. <i>Australian Journal of Chemistry</i> , 2008, 61, 288.	0.9	38
25	Novel 2,4,5-trisubstituted oxazole derivatives: Synthesis and antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 3930-3935.	5.5	38
26	Discovery of N-(2-phenyl-1H-benzo[d]imidazol-5-yl)quinolin-4-amine derivatives as novel VEGFR-2 kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 698-707.	5.5	38
27	Hybrids from 4-anilinoquinazoline and hydroxamic acid as dual inhibitors of vascular endothelial growth factor receptor-2 and histone deacetylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5137-5141.	2.2	35
28	A chromosome-level genome assembly of rugged rose ( <i>Rosa rugosa</i> ) provides insights into its evolution, ecology, and floral characteristics. <i>Horticulture Research</i> , 2021, 8, 141.	6.3	29
29	Synthesis, structure, and structure-activity relationship analysis of enamines as potential antibacterials. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4212-4219.	3.0	23
30	Enamines as novel antibacterials and their structure-activity relationships. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1828-1836.	5.5	23
31	Design, synthesis and antibacterial activity studies of thiazole derivatives as potent eCKAS III inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4235-4238.	2.2	22
32	Divergence and Conservative Evolution of XTNX Genes in Land Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 1844.	3.6	22
33	Maternal Inheritance of U <sup>TM</sup> s Triangle and Evolutionary Process of Brassica Mitochondrial Genomes. <i>Frontiers in Plant Science</i> , 2020, 11, 805.	3.6	21
34	Synthesis of Resveratrol Analogues, and Evaluation of Their Cytotoxic and Xanthine Oxidase Inhibitory Activities. <i>Chemistry and Biodiversity</i> , 2008, 5, 636-642.	2.1	18
35	Mitochondrial genes from 18 angiosperms fill sampling gaps for phylogenomic inferences of the early diversification of flowering plants. <i>Journal of Systematics and Evolution</i> , 2022, 60, 773-788.	3.1	16
36	Complete mitochondrial genome sequence of <i>Anthoceros angustus</i> : conservative evolution of the mitogenomes in hornworts. <i>Bryologist</i> , 2018, 121, 14.	0.6	13

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37	Discovery of novel VEGFR-2 inhibitors embedding 6,7-dimethoxyquinazoline and diarylamide fragments. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 36, 127788.	2.2	13
38	The genome of <i>Hibiscus hamabo</i> reveals its adaptation to saline and waterlogged habitat. <i>Horticulture Research</i> , 2022, 9, uhac067.	6.3	12
39	Evolution of NLR Resistance Genes in Magnoliids: Dramatic Expansions of CNLs and Multiple Losses of TNLs. <i>Frontiers in Plant Science</i> , 2021, 12, 777157.	3.6	11
40	Editorial: Evolution and Functional Mechanisms of Plant Disease Resistance. <i>Frontiers in Genetics</i> , 2020, 11, 593240.	2.3	8
41	Synthesis of $\pm$ -Aminoalkyl Phosphonate Derivatives of Resveratrol as Potential Antitumour Agents. <i>Australian Journal of Chemistry</i> , 2008, 61, 472.	0.9	7
42	Synthesis and Structure - Activity Relationship Analysis of Enamines as Potential Antibacterial Agents. <i>Australian Journal of Chemistry</i> , 2007, 60, 957.	0.9	5
43	Regulation of FATTY ACID ELONGATION1 expression and production in <i>Brassica oleracea</i> and <i>Capsella rubella</i> . <i>Planta</i> , 2017, 246, 763-778.	3.2	5
44	Taxonomic and phylogenetic significance of leaf venation characteristics in <i>Dioscorea</i> plants. <i>Archives of Biological Sciences</i> , 2018, 70, 397-407.	0.5	4
45	Insertion DNA Accelerates Meiotic Interchromosomal Recombination in <i>Arabidopsis thaliana</i> . <i>Molecular Biology and Evolution</i> , 2016, 33, 2044-2053.	8.9	3
46	Fitness benefits play a vital role in the retention of the <i>Pi-ta</i> susceptible alleles. <i>Genetics</i> , 2022, 220, .	2.9	2
47	Evolution of Reproductive Traits and Implications for Adaptation and Diversification in the Yam Genus <i>Dioscorea</i> L.. <i>Diversity</i> , 2022, 14, 349.	1.7	1