

# Jianfeng Xu

## List of Publications by Year in descending order

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33  
papers

1,552  
citations

471509

17  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards high-yield production of pharmaceutical proteins with plant cell suspension cultures. <i>Biotechnology Advances</i> , 2011, 29, 278-299.	11.7	186
2	Genetically transformed roots: from plant disease to biotechnological resource. <i>Trends in Biotechnology</i> , 2012, 30, 528-537.	9.3	186
3	Green factory: Plants as bioproduction platforms for recombinant proteins. <i>Biotechnology Advances</i> , 2012, 30, 1171-1184.	11.7	168
4	Bench to batch: advances in plant cell culture for producing useful products. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1339-1351.	3.6	155
5	Plant O-Hydroxyproline Arabinogalactans Are Composed of Repeating Trigalactosyl Subunits with Short Bifurcated Side Chains. <i>Journal of Biological Chemistry</i> , 2010, 285, 24575-24583.	3.4	98
6	High-yields and extended serum half-life of human interferon $\beta$ expressed in tobacco cells as arabinogalactan-protein fusions. <i>Biotechnology and Bioengineering</i> , 2007, 97, 997-1008.	3.3	93
7	Cell-Free Protein Expression under Macromolecular Crowding Conditions. <i>PLoS ONE</i> , 2011, 6, e28707.	2.5	93
8	On the way to commercializing plant cell culture platform for biopharmaceuticals: present status and prospect. <i>Pharmaceutical Bioprocessing</i> , 2014, 2, 499-518.	0.8	85
9	The O-Hyp glycosylation code in tobacco and Arabidopsis and a proposed role of Hyp-glycans in secretion. <i>Phytochemistry</i> , 2008, 69, 1631-1640.	2.9	83
10	Human growth hormone expressed in tobacco cells as an arabinogalactan-protein fusion glycoprotein has a prolonged serum life. <i>Transgenic Research</i> , 2010, 19, 849-867.	2.4	72
11	Bioethanol production from dedicated energy crops and residues in Arkansas, USA. <i>Biotechnology Journal</i> , 2011, 6, 66-73.	3.5	46
12	Eastern gamagrass as an alternative cellulosic feedstock for bioethanol production. <i>Process Biochemistry</i> , 2012, 47, 335-339.	3.7	32
13	Production of recombinant plant gum with tobacco cell culture in bioreactor and gum characterization. <i>Biotechnology and Bioengineering</i> , 2005, 90, 578-588.	3.3	28
14	In Vitro Biocompatibility of Decellularized Cultured Plant Cell-Derived Matrices. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 822-832.	5.2	25
15	Improved antibiotic production and silent gene activation in <i>Streptomyces diastatochromogenes</i> by ribosome engineering. <i>Journal of Antibiotics</i> , 2016, 69, 406-410.	2.0	23
16	Platforms for Plant-Based Protein Production. <i>Reference Series in Phytochemistry</i> , 2018, , 509-548.	0.4	22
17	Cellular engineering of plant cells for improved therapeutic protein production. <i>Plant Cell Reports</i> , 2021, 40, 1087-1099.	5.6	21
18	Engineering "designer" glycomodules for boosting recombinant protein secretion in tobacco hairy root culture and studying hydroxyproline-glycosylation process in plants. <i>Plant Biotechnology Journal</i> , 2019, 17, 1130-1141.	8.3	19

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19	Dramatic secretion of recombinant protein expressed in tobacco cells with a designer glycopeptide tag is highly impacted by medium composition. <i>Plant Cell Reports</i> , 2016, 35, 2513-2522.	5.6	15
20	Enhanced secretion of human $\alpha$ 1-antitrypsin expressed with a novel glycosylation module in tobacco BY-2 cell culture. <i>Bioengineered</i> , 2019, 10, 87-97.	3.2	14
21	Ethanol fermentation of energy beets by self-flocculating and non-flocculating yeasts. <i>Bioresource Technology</i> , 2014, 155, 189-197.	9.6	12
22	High-yield secretion of recombinant proteins expressed in tobacco cell culture with a designer glycopeptide tag: Process development. <i>Biotechnology Journal</i> , 2016, 11, 497-506.	3.5	12
23	Plant cell-secreted stem cell factor stimulates expansion and differentiation of hematopoietic stem cells. <i>Process Biochemistry</i> , 2021, 100, 39-48.	3.7	11
24	Production of thermostable endo-1,5- $\alpha$ -L-arabinanase in <i>Pichia pastoris</i> for enzymatically releasing functional oligosaccharides from sugar beet pulp. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1595-1607.	3.6	9
25	Hydroxyproline-O-glycosylated peptide tags enhance recombinant protein yields in tobacco transient expression. <i>Process Biochemistry</i> , 2014, 49, 490-495.	3.7	7
26	Platforms for Plant-Based Protein Production. , 2016, , 1-40.		7
27	Enhanced accumulation of secreted human growth hormone by transgenic tobacco cells correlates with the introduction of an N-glycosylation site. <i>Journal of Biotechnology</i> , 2011, 154, 54-59.	3.8	5
28	A Novel Plant Cell Bioproduction Platform for High-Yield Secretion of Recombinant Proteins. <i>Methods in Molecular Biology</i> , 2012, 824, 483-500.	0.9	5
29	Macromolecular crowding effects on transcription and translation are regulated by free magnesium ion. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 117-122.	3.1	4
30	Novel Fusion Proteins of Interferon $\alpha$ 2b Cause Growth Inhibition and Induce JAK-STAT Signaling in Melanoma. <i>Journal of Immunotherapy</i> , 2010, 33, 461-466.	2.4	3
31	Engineering hydroxyproline-O-glycosylated biopolymers to reconstruct the plant cell wall for improved biomass processability. <i>Biotechnology and Bioengineering</i> , 2020, 117, 945-958.	3.3	3
32	Advances in Transformed Root Cultures for Root Biofactory and Phytoremediation Research. <i>Soil Biology</i> , 2014, , 387-405.	0.8	1
33	High yield secretion of human erythropoietin from tobacco cells for ex vivo differentiation of hematopoietic stem cells towards red blood cells. <i>Journal of Biotechnology</i> , 2022, 355, 10-20.	3.8	1