Eva Stoeger

List of Publications by Year
in descending order

100 papers	8,279 citations	46918 47 h-index	46693 89 g-index
104 all docs	104 docs citations	104 times ranked	5294 citing authors

#	Article	IF	Citations
1	CRISPR/Cas9â€mediated knockout of a prolylâ€4â€hydroxylase subfamily in <i>Nicotiana benthamiana</i> using DsRed2 for plant selection. Biotechnology Journal, 2022, 17, e2100698.	1.8	9
2	Molecular Farming in Seed Crops: Gene Transfer into Barley (Hordeum vulgare) and Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	4
3	Editorial: CRISPR and alternative approaches. Biotechnology Journal, 2022, 17, .	1.8	0
4	Microparticles and Nanoparticles from Plantsâ€"The Benefits of Bioencapsulation. Vaccines, 2021, 9, 369.	2.1	7
5	N-Glycosylation of the SARS-CoV-2 Receptor Binding Domain Is Important for Functional Expression in Plants. Frontiers in Plant Science, 2021, 12, 689104.	1.7	34
6	Contributions of the international plant science community to the fight against infectious diseases in humansâ€"part 2: Affordable drugs in edible plants for endemic and reâ€emerging diseases. Plant Biotechnology Journal, 2021, 19, 1921-1936.	4.1	31
7	Genome editing in cereal crops: an overview. Transgenic Research, 2021, 30, 461-498.	1.3	46
8	Contributions of the international plant science community to the fight against human infectious diseases â€" part 1: epidemic and pandemic diseases. Plant Biotechnology Journal, 2021, 19, 1901-1920.	4.1	44
9	Impact of Specific N-Glycan Modifications on the Use of Plant-Produced SARS-CoV-2 Antigens in Serological Assays. Frontiers in Plant Science, 2021, 12, 747500.	1.7	8
10	Progressive Aggregation of 16 kDa Gamma-Zein during Seed Maturation in Transgenic Arabidopsis thaliana. International Journal of Molecular Sciences, 2021, 22, 12671.	1.8	3
11	Protein sorting into protein bodies during barley endosperm development is putatively regulated by cytoskeleton members, MVBs and the HvSNF7s. Scientific Reports, 2020, 10, 1864.	1.6	11
12	Plantâ€derived protein bodies as delivery vehicles for recombinant proteins into mammalian cells. Biotechnology and Bioengineering, 2020, 117, 1037-1047.	1.7	12
13	Russell-Like Bodies in Plant Seeds Share Common Features With Prolamin Bodies and Occur Upon Recombinant Protein Production. Frontiers in Plant Science, 2019, 10, 777.	1.7	10
14	Extracellular Vesicles in Human Skin: Cross-TalkÂfrom Senescent Fibroblasts to Keratinocytes by miRNAs. Journal of Investigative Dermatology, 2019, 139, 2425-2436.e5.	0.3	61
15	Cloning and plantâ€based production of antibody <scp>MC</scp>10E7 for a lateral flow immunoassay to detect [4â€arginine]microcystin in freshwater. Plant Biotechnology Journal, 2018, 16, 27-38.	4.1	19
16	LALF_{32â€51}â€E7, a HPVâ€16 therapeutic vaccine candidate, forms protein bodyâ€like structures when expressed in <i>Nicotiana benthamiana</i> leaves. Plant Biotechnology Journal, 2018, 16, 628-637.	4.1	14
17	Imaging the ER and Endomembrane System in Cereal Endosperm. Methods in Molecular Biology, 2018, 1691, 251-262.	0.4	6
18	Microscopic and Proteomic Analysis of Dissected Developing Barley Endosperm Layers Reveals the Starchy Endosperm as Prominent Storage Tissue for ER-Derived Hordeins Alongside the Accumulation of Barley Protein Disulfide Isomerase (HvPDIL1-1). Frontiers in Plant Science, 2018, 9, 1248.	1.7	18

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19	A Welcome Proposal to Amend the GMO Legislation of the EU. Trends in Biotechnology, 2018, 36, 1100-1103.	4.9	47
20	Glyco-Engineering of Plant-Based Expression Systems. Advances in Biochemical Engineering/Biotechnology, 2018, 175, 137-166.	0.6	13
21	Using RT-qPCR, Proteomics, and Microscopy to Unravel the Spatio-Temporal Expression and Subcellular Localization of Hordoindolines Across Development in Barley Endosperm. Frontiers in Plant Science, 2018, 9, 775.	1.7	26
22	Maize 16-kD Î³-zein forms very unusual disulfide-bonded polymers in the endoplasmic reticulum: implications for prolamin evolution. Journal of Experimental Botany, 2018, 69, 5013-5027.	2.4	16
23	Detection of CRISPR/Cas9-Induced Genomic Fragment Deletions in Barley and Generation of Homozygous Edited Lines via Embryogenic Pollen Culture. Methods in Molecular Biology, 2018, 1789, 9-20.	0.4	4
24	Targeted modification of plant genomes for precision crop breeding. Biotechnology Journal, 2017, 12, 1600173.	1.8	71
25	Heritable Genomic Fragment Deletions and Small Indels in the Putative ENGase Gene Induced by CRISPR/Cas9 in Barley. Frontiers in Plant Science, 2017, 8, 540.	1.7	146
26	The Encapsulation of Hemagglutinin in Protein Bodies Achieves a Stronger Immune Response in Mice than the Soluble Antigen. Frontiers in Plant Science, 2016, 7, 142.	1.7	15
27	Rice endosperm is costâ€effective for the production of recombinant griffithsin with potent activity against HIV. Plant Biotechnology Journal, 2016, 14, 1427-1437.	4.1	40
28	Plant Molecular Farming: Much More than Medicines. Annual Review of Analytical Chemistry, 2016, 9, 271-294.	2.8	147
29	The case for plant-made veterinary immunotherapeutics. Biotechnology Advances, 2016, 34, 597-604.	6.0	46
30	Cell layer-specific distribution of transiently expressed barley ESCRT-III component HvVPS60 in developing barley endosperm. Protoplasma, 2016, 253, 137-153.	1.0	32
31	Rice endosperm produces an underglycosylated and potent form of the <scp>HIV</scp>â€neutralizing monoclonal antibody 2G12. Plant Biotechnology Journal, 2016, 14, 97-108.	4.1	58
32	From gene to harvest: insights into upstream process development for the <scp>GMP</scp> production of a monoclonal antibody in transgenic tobacco plants. Plant Biotechnology Journal, 2015, 13, 1094-1105.	4.1	79
33	Regulatory approval and a firstâ€inâ€human phase I clinical trial of a monoclonal antibody produced in transgenic tobacco plants. Plant Biotechnology Journal, 2015, 13, 1106-1120.	4.1	205
34	Transgenic Production of an Anti HIV Antibody in the Barley Endosperm. PLoS ONE, 2015, 10, e0140476.	1.1	41
35	The increasing value of plant-made proteins. Current Opinion in Biotechnology, 2015, 32, 163-170.	3.3	120
36	Influence of Elastin-Like Polypeptide and Hydrophobin on Recombinant Hemagglutinin Accumulations in Transgenic Tobacco Plants. PLoS ONE, 2014, 9, e99347.	1.1	38

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37	Live Cell Imaging During Germination Reveals Dynamic Tubular Structures Derived from Protein Storage Vacuoles of Barley Aleurone Cells. Plants, 2014, 3, 442-457.	1.6	22
38	Plant-based solutions for veterinary immunotherapeutics and prophylactics. Veterinary Research, 2014, 45, 117.	1.1	50
39	The dynamic behavior of storage organelles in developing cereal seeds and its impact on the production of recombinant proteins. Frontiers in Plant Science, 2014, 5, 439.	1.7	65
40	Fusion, rupture, and degeneration: the fate of in vivo-labelled PSVs in developing barley endosperm*. Journal of Experimental Botany, 2014, 65, 3249-3261.	2.4	52
41	The Induction of Recombinant Protein Bodies in Different Subcellular Compartments Reveals a Cryptic Plastid-Targeting Signal in the 27-kDa ÃŽÂ³-Zein Sequence. Frontiers in Bioengineering and Biotechnology, 2014, 2, 67.	2.0	19
42	Characterization of a plant-produced recombinant human secretory IgA with broad neutralizing activity against HIV. MAbs, 2014, 6, 1585-1597.	2.6	47
43	Plant Molecular Pharming for the Treatment of Chronic and Infectious Diseases. Annual Review of Plant Biology, 2014, 65, 743-768.	8.6	154
44	Plant species and organ influence the structure and subcellular localization of recombinant glycoproteins. Plant Molecular Biology, 2013, 83, 105-117.	2.0	37
45	Efficient recovery of recombinant proteins from cereal endosperm is affected by interaction with endogenous storage proteins. Biotechnology Journal, 2013, 8, 1203-1212.	1.8	7
46	Editorial: From plant biotechnology to bioâ€based products. Biotechnology Journal, 2013, 8, 1122-1123.	1.8	6
47	Subcellular Accumulation and Modification of Pharmaceutical Proteins in Different Plant Tissues. Current Pharmaceutical Design, 2013, 19, 5495-5502.	0.9	42
48	The formation, function and fate of protein storage compartments in seeds. Protoplasma, 2012, 249, 379-392.	1.0	76
49	Predominant localization of the major Alternaria allergen Alt a 1 in the cell wall of airborne spores. Journal of Allergy and Clinical Immunology, 2012, 129, 1148-1149.	1.5	35
50	Using storage organelles for the accumulation and encapsulation of recombinant proteins. Biotechnology Journal, 2012, 7, 1099-1108.	1.8	56
51	Plant bioreactors â€“ the taste of sweet success. Biotechnology Journal, 2012, 7, 475-476.	1.8	5
52	Transgenic crops for the production of recombinant vaccines and anti-microbial antibodies. Hum Vaccin, 2011, 7, 367-374.	2.4	38
53	Nonâ€food/feed seeds as biofactories for the highâ€yield production of recombinant pharmaceuticals. Plant Biotechnology Journal, 2011, 9, 911-921.	4.1	48
54	Cloning and Characterization of Purple Acid Phosphatase Phytases from Wheat, Barley, Maize, and Rice Â. Plant Physiology, 2011, 156, 1087-1100.	2.3	99

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55	The Changing Fate of a Secretory Glycoprotein in Developing Maize Endosperm Â Â. Plant Physiology, 2010, 153, 693-702.	2.3	40
56	Production and Localization of Recombinant Pharmaceuticals in Transgenic Seeds. Methods in Molecular Biology, 2009, 483, 69-87.	0.4	14
57	Influence of elastinâ€like peptide fusions on the quantity and quality of a tobaccoâ€derived human immunodeficiency virusâ€neutralizing antibody. Plant Biotechnology Journal, 2009, 7, 899-913.	4.1	88
58	Functional specialization of Medicago truncatula leaves and seeds does not affect the subcellular localization of a recombinant protein. Planta, 2008, 227, 649-658.	1.6	20
59	High levels of stable phytase accumulate in the culture medium of transgenic <i>Medicago truncatula</i> cell suspension cultures. Biotechnology Journal, 2008, 3, 916-923.	1.8	18
60	Recombinant antibody 2G12 produced in maize endosperm efficiently neutralizes HIVâ€1 and contains predominantly singleâ€GlcNAc <i>N</i>â€glycans. Plant Biotechnology Journal, 2008, 6, 189-201.	4.1	166
61	Biochemical and functional characterization of antiâ€HIV antibodyâ€"ELP fusion proteins from transgenic plants. Plant Biotechnology Journal, 2008, 6, 379-391.	4.1	109
62	Cost-effective production of a vaginal protein microbicide to prevent HIV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3727-3732.	3.3	154
63	Functional analysis of the broadly neutralizing human antiâ€HIVâ€1 antibody 2F5 produced in transgenic BYâ€2 suspension cultures. FASEB Journal, 2007, 21, 1655-1664.	0.2	84
64	In situ methods to localize transgenes and transcripts in interphase nuclei: a tool for transgenic plant research. Plant Methods, 2006, 2, 18.	1.9	11
65	Heat-Stable Phytases in Transgenic Wheat (Triticum aestivumL.): Deposition Pattern, Thermostability, and Phytate Hydrolysis. Journal of Agricultural and Food Chemistry, 2006, 54, 4624-4632.	2.4	87
66	The Quest to Understand the Basis and Mechanisms that Control Expression of Introduced Transgenes in Crop Plants. Plant Signaling and Behavior, 2006, 1, 185-195.	1.2	61
67	The Intracellular Fate of a Recombinant Protein Is Tissue Dependent. Plant Physiology, 2006, 141, 578-586.	2.3	77
68	Monocot Expression Systems for Molecular Farming. , 2005, , 55-67.		3
69	Sowing the seeds of success: pharmaceutical proteins from plants. Current Opinion in Biotechnology, 2005, 16, 167-173.	3.3	315
70	Molecular farming for new drugs and vaccines. EMBO Reports, 2005, 6, 593-599.	2.0	286
71	Particle bombardment and the genetic enhancement of crops: myths and realities. Molecular Breeding, 2005, 15, 305-327.	1.0	291
72	Endosperm-Specific Co-Expression of Recombinant Soybean Ferritin and Aspergillus Phytase in Maize Results in Significant Increases in the Levels of Bioavailable Iron. Plant Molecular Biology, 2005, 59, 869-880.	2.0	252

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73	Large-scale chromatin decondensation induced in a developmentally activated transgene locus. Journal of Cell Science, 2005, 118, 1021-1031.	1.2	22
74	Plants as bioreactors: A comparative study suggests that Medicago truncatula is a promising production system. Journal of Biotechnology, 2005, 120, 121-134.	1.9	55
75	Unexpected Deposition Patterns of Recombinant Proteins in Post-Endoplasmic Reticulum Compartments of Wheat Endosperm. Plant Physiology, 2004, 136, 3457-3466.	2.3	101
76	A recombinant multimeric immunoglobulin expressed in rice shows assembly-dependent subcellular localization in endosperm cells. Plant Biotechnology Journal, 2004, 3, 115-127.	4.1	73
77	Plant-based production of biopharmaceuticals. Current Opinion in Plant Biology, 2004, 7, 152-158.	3.5	563
78	Transgene integration, organization and interaction in plants. Plant Molecular Biology, 2003, 52, 247-258.	2.0	241
79	Molecular farming in plants: host systems and expression technology. Trends in Biotechnology, 2003, 21, 570-578.	4.9	627
80	The architecture of interphase chromosomes and gene positioning are altered by changes in DNA methylation and histone acetylation. Journal of Cell Science, 2002, 115, 4597-4605.	1.2	59
81	The architecture of interphase chromosomes and nucleolar transcription sites in plants. Journal of Structural Biology, 2002, 140, 31-38.	1.3	34
82	Plantibodies: applications, advantages and bottlenecks. Current Opinion in Biotechnology, 2002, 13, 161-166.	3.3	208
83	Overexpression of the wheat FK506-binding protein 73 (FKBP73) and the heat-induced wheat FKBP77 in transgenic wheat reveals different functions of the two isoforms. Transgenic Research, 2002, 11, 373-379.	1.3	33
84	Practical considerations for pharmaceutical antibody production in different crop systems. Molecular Breeding, 2002, 9, 149-158.	1.0	142
85	Native and Artificial Reticuloplasmins Co-Accumulate in Distinct Domains of the Endoplasmic Reticulum and in Post-Endoplasmic Reticulum Compartments. Plant Physiology, 2001, 127, 1212-1223.	2.3	65
86	Pea Legumin Overexpressed in Wheat Endosperm Assembles into an Ordered Paracrystalline Matrix. Plant Physiology, 2001, 125, 1732-1742.	2.3	70
87	Cereal crops as viable production and storage systems for pharmaceutical scFv antibodies. Plant Molecular Biology, 2000, 42, 583-590.	2.0	283
88	Title is missing!. Molecular Breeding, 2000, 6, 345-352.	1.0	71
89	Constitutive expression of soybean ferritin cDNA in transgenic wheat and rice results in increased iron levels in vegetative tissues but not in seeds. Transgenic Research, 2000, 9, 445-452.	1.3	110
90	Widely separated multiple transgene integration sites in wheat chromosomes are brought together at interphase. Plant Journal, 2000, 24, 713-723.	2.8	66

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91	Title is missing!. Molecular Breeding, 1999, 5, 65-73.	1.0	177
92	Constitutive versus seed specific expression in transgenic wheat: temporal and spatial control. Transgenic Research, 1999, 8, 73-82.	1.3	44
93	Rice cell culture as an alternative production system for functional diagnostic and therapeutic antibodies. Transgenic Research, 1999, 8, 441-449.	1.3	109
94	Molecular Characteristics of Transgenic Wheat and the Effect on Transgene Expression. Transgenic Research, 1998, 7, 463-471.	1.3	83
95	Expression and immunolocalisation of the snowdrop lectin, GNA in transgenic rice plants. Transgenic Research, 1998, 7, 371-378.	1.3	73
96	Expression of snowdrop lectin (GNA) in transgenic rice plants confers resistance to rice brown planthopper. Plant Journal, 1998, 15, 469-477.	2.8	299
97	Accelerated production of transgenic wheat (Triticum aestivum L.) plants. Plant Cell Reports, 1996, 16, 12-17.	2.8	13
98	Flavonols Stimulate Development, Germination, and Tube Growth of Tobacco Pollen. Plant Physiology, 1992, 100, 902-907.	2.3	192
99	Comparison of different techniques for gene transfer into mature and immature tobacco pollen. Transgenic Research, 1992, 1, 71-78.	1.3	39
100	Crop Plants for Molecular Farming. , 0, , .		0