

Stefan Schillberg

List of Publications by Year in descending order

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175
papers

7,051
citations

66343

42
h-index

69250

77
g-index

188
all docs

188
docs citations

188
times ranked

5047
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving environmental stress resilience in crops by genome editing: insights from extremophile plants. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 559-574.	9.0	8
2	Rapid production of SaCas9 in plant-based cell-free lysate for activity testing. <i>Biotechnology Journal</i> , 2022, 17, e2100564.	3.5	3
3	Recombinant Protein Production in Plants: A Brief Overview of Strengths and Challenges. <i>Methods in Molecular Biology</i> , 2022, , 1-13.	0.9	8
4	Plant-Based Cell-Free Transcription and Translation of Recombinant Proteins. <i>Methods in Molecular Biology</i> , 2022, , 113-124.	0.9	6
5	Improved degradation of azo dyes by lignin peroxidase following mutagenesis at two sites near the catalytic pocket and the application of peroxidase-coated yeast cell walls. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	6.0	16
6	Development of Monoclonal Antibodies against Pea Globulins for Multiplex Assays Targeting Legume Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2864-2874.	5.2	2
7	Plant molecular farming for the production of valuable proteins – Critical evaluation of achievements and future challenges. <i>Journal of Plant Physiology</i> , 2021, 258-259, 153359.	3.5	87
8	Impact of nicotine pathway downregulation on polyamine biosynthesis and leaf ripening in tobacco. <i>Plant Direct</i> , 2021, 5, e00329.	1.9	5
9	Contributions of the international plant science community to the fight against infectious diseases in humans – part 2: Affordable drugs in edible plants for endemic and re-emerging diseases. <i>Plant Biotechnology Journal</i> , 2021, 19, 1921-1936.	8.3	31
10	Preface: Genome editing in plants. <i>Transgenic Research</i> , 2021, 30, 317-320.	2.4	2
11	Targeted mutagenesis in <i>Nicotiana tabacum</i> ADF gene using shockwave-mediated ribonucleoprotein delivery increases osmotic stress tolerance. <i>Physiologia Plantarum</i> , 2021, 173, 993-1007.	5.2	6
12	Contributions of the international plant science community to the fight against human infectious diseases – part 1: epidemic and pandemic diseases. <i>Plant Biotechnology Journal</i> , 2021, 19, 1901-1920.	8.3	44
13	Selection and characterization of two monoclonal antibodies specific for the <i>Aspergillus flavus</i> major antigenic cell wall protein Aflmp1. <i>Fungal Biology</i> , 2021, 125, 621-629.	2.5	6
14	Plant-Derived Cell-Free Biofactories for the Production of Secondary Metabolites. <i>Frontiers in Plant Science</i> , 2021, 12, 794999.	3.6	5
15	Gene expression variability between randomly and targeted transgene integration events in tobacco suspension cell lines. <i>Plant Biotechnology Reports</i> , 2020, 14, 451-458.	1.5	7
16	Improvement in oxidative stability of versatile peroxidase by flow cytometry-based high-throughput screening system. <i>Biochemical Engineering Journal</i> , 2020, 157, 107555.	3.6	8
17	Flow cytometry-based system for screening of lignin peroxidase mutants with higher oxidative stability. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 664-671.	2.2	8
18	Saturation mutagenesis to improve the degradation of azo dyes by versatile peroxidase and application in form of VP-coated yeast cell walls. <i>Enzyme and Microbial Technology</i> , 2020, 136, 109509.	3.2	22

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19	Potential Applications of Plant Biotechnology against SARS-CoV-2. Trends in Plant Science, 2020, 25, 635-643.	8.8	135
20	Strategies to Enhance Photosynthesis for the Improvement of Crop Yields. , 2020, , 143-157.		2
21	Sensitive Aflatoxin B1 Detection Using Nanoparticle-Based Competitive Magnetic Immunodetection. Toxins, 2020, 12, 337.	3.4	23
22	The Integration of Algal Carbon Concentration Mechanism Components into Tobacco Chloroplasts Increases Photosynthetic Efficiency and Biomass. Biotechnology Journal, 2019, 14, 1800170.	3.5	24
23	Monoclonal Antibody AP3 Binds Galactomannan Antigens Displayed by the Pathogens Aspergillus flavus, A. fumigatus, and A. parasiticus. Frontiers in Cellular and Infection Microbiology, 2019, 9, 234.	3.9	17
24	Simplified Tracking of a Soy Allergen in Processed Food Using a Monoclonal Antibody-Based Sandwich ELISA Targeting the Soybean 2S Albumin Gly m 8. Journal of Agricultural and Food Chemistry, 2019, 67, 8660-8667.	5.2	26
25	A Plant Pathogen Type III Effector Protein Subverts Translational Regulation to Boost Host Polyamine Levels. Cell Host and Microbe, 2019, 26, 638-649.e5.	11.0	68
26	Targeted insertion of large <sc>DNA</sc> sequences by homology-directed repair or non-homologous end joining in engineered tobacco <sc>BY</sc> cells using designed zinc finger nucleases. Plant Direct, 2019, 3, e00153.	1.9	12
27	Genome Editing in Agriculture: Technical and Practical Considerations. International Journal of Molecular Sciences, 2019, 20, 2888.	4.1	51
28	Critical Analysis of the Commercial Potential of Plants for the Production of Recombinant Proteins. Frontiers in Plant Science, 2019, 10, 720.	3.6	171
29	The immunome of soy bean allergy: Comprehensive identification and characterization of epitopes. Clinical and Experimental Allergy, 2019, 49, 239-251.	2.9	27
30	Organismen als Produzenten. , 2019, , 183-202.		0
31	Aspergillus-specific antibodies – Targets and applications. Biotechnology Advances, 2018, 36, 1167-1184.	11.7	18
32	Proteomic analysis of CHO cell lines producing high and low quantities of a recombinant antibody before and after selection with methotrexate. Journal of Biotechnology, 2018, 265, 65-69.	3.8	8
33	Polyamines delay leaf maturation in low-alkaloid tobacco varieties. Plant Direct, 2018, 2, e00077.	1.9	10
34	Glyco-Engineering of Plant-Based Expression Systems. Advances in Biochemical Engineering/Biotechnology, 2018, 175, 137-166.	1.1	13
35	Plant-derived chimeric antibodies inhibit the invasion of human fibroblasts by Toxoplasma gondii. PeerJ, 2018, 6, e5780.	2.0	7
36	Animal component-free <i>Agrobacterium tumefaciens</i> cultivation media for better GMP-compliance increases biomass yield and pharmaceutical protein expression in <i>Nicotiana benthamiana</i>. Biotechnology Journal, 2017, 12, 1600721.	3.5	25

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37	Combination of two epitope identification techniques enables the rational design of soy allergen Gly m 4 mutants. <i>Biotechnology Journal</i> , 2017, 12, 1600441.	3.5	26
38	Characteristics of Genome Editing Mutations in Cereal Crops. <i>Trends in Plant Science</i> , 2017, 22, 38-52.	8.8	122
39	Combined 15N-Labeling and TandemMOAC Quantifies Phosphorylation of MAP Kinase Substrates Downstream of MKK7 in Arabidopsis. <i>Frontiers in Plant Science</i> , 2017, 8, 2050.	3.6	19
40	Immunization with the Malaria Diversity-Covering Blood-Stage Vaccine Candidate Plasmodium falciparum Apical Membrane Antigen 1 DiCo in Complex with Its Natural Ligand PfRon2 Does Not Improve the In Vitro Efficacy. <i>Frontiers in Immunology</i> , 2017, 8, 743.	4.8	3
41	Tackling Unwanted Proteolysis in Plant Production Hosts Used for Molecular Farming. <i>Frontiers in Plant Science</i> , 2016, 7, 267.	3.6	49
42	Targeted gene exchange in plant cells mediated by a zinc finger nuclease double cut. <i>Plant Biotechnology Journal</i> , 2016, 14, 1151-1160.	8.3	28
43	Analysis of the dose-dependent stage-specific in vitro efficacy of a multi-stage malaria vaccine candidate cocktail. <i>Malaria Journal</i> , 2016, 15, 279.	2.3	19
44	A Plant-Based Transient Expression System for the Rapid Production of Malaria Vaccine Candidates. <i>Methods in Molecular Biology</i> , 2016, 1404, 597-619.	0.9	8
45	Genome editing: intellectual property and product development in plant biotechnology. <i>Plant Cell Reports</i> , 2016, 35, 1487-1491.	5.6	20
46	Patterns of CRISPR/Cas9 activity in plants, animals and microbes. <i>Plant Biotechnology Journal</i> , 2016, 14, 2203-2216.	8.3	141
47	Statistical experimental designs for the production of secondary metabolites in plant cell suspension cultures. <i>Biotechnology Letters</i> , 2016, 38, 2007-2014.	2.2	16
48	CRISPR/Cas9 activity in the rice OsBE1b gene does not induce off-target effects in the closely related paralog OsBE1a. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	45
49	Structured plant metabolomics for the simultaneous exploration of multiple factors. <i>Scientific Reports</i> , 2016, 6, 37390.	3.3	39
50	More for less: Improving the biomass yield of a pear cell suspension culture by design of experiments. <i>Scientific Reports</i> , 2016, 6, 23371.	3.3	14
51	Next-generation sequencing of amplicons is a rapid and reliable method for the detection of polymorphisms relevant for barley breeding. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	4
52	Developments in the production of mucosal antibodies in plants. <i>Biotechnology Advances</i> , 2016, 34, 77-87.	11.7	25
53	Antibody-Mediated Pathogen Resistance in Plants. <i>Methods in Molecular Biology</i> , 2016, 1385, 273-291.	0.9	2
54	Plant Cell-Based Recombinant Antibody Manufacturing with a 200 L Orbitally Shaken Disposable Bioreactor. <i>Methods in Molecular Biology</i> , 2016, 1385, 161-172.	0.9	7

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55	Heat-precipitation allows the efficient purification of a functional plant-derived malaria transmission-blocking vaccine candidate fusion protein. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1297-1305.	3.3	32
56	Analysis of a Multi-component Multi-stage Malaria Vaccine Candidate—Tackling the Cocktail Challenge. <i>PLoS ONE</i> , 2015, 10, e0131456.	2.5	38
57	Application of a Scalable Plant Transient Gene Expression Platform for Malaria Vaccine Development. <i>Frontiers in Plant Science</i> , 2015, 6, 1169.	3.6	23
58	A versatile coupled cell-free transcription-translation system based on tobacco BY-2 cell lysates. <i>Biotechnology and Bioengineering</i> , 2015, 112, 867-878.	3.3	67
59	Plant expression and characterization of the transmission-blocking vaccine candidate PfGAP50. <i>BMC Biotechnology</i> , 2015, 15, 108.	3.3	11
60	Next-generation sequencing is a robust strategy for the high-throughput detection of zygosity in transgenic maize. <i>Transgenic Research</i> , 2015, 24, 615-623.	2.4	9
61	Optimization of a multi-stage, multi-subunit malaria vaccine candidate for the production in <i>Pichia pastoris</i> by the identification and removal of protease cleavage sites. <i>Biotechnology and Bioengineering</i> , 2015, 112, 659-667.	3.3	14
62	High-value products from plants: the challenges of process optimization. <i>Current Opinion in Biotechnology</i> , 2015, 32, 156-162.	6.6	60
63	Simple and Portable Magnetic Immunoassay for Rapid Detection and Sensitive Quantification of Plant Viruses. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3039-3048.	3.1	48
64	Thanatin confers partial resistance against aflatoxigenic fungi in maize (<i>Zea mays</i>). <i>Transgenic Research</i> , 2015, 24, 885-895.	2.4	16
65	Yeast surface display is a novel tool for the rapid immunological characterization of plant-derived food allergens. <i>Immunologic Research</i> , 2015, 61, 230-239.	2.9	7
66	The stage-specific in vitro efficacy of a malaria antigen cocktail provides valuable insights into the development of effective multi-stage vaccines. <i>Biotechnology Journal</i> , 2015, 10, 1651-1659.	3.5	17
67	Detailed functional characterization of glycosylated and nonglycosylated variants of malaria vaccine candidate PfAMA-1 produced in <i>Nicotiana benthamiana</i> and analysis of growth inhibitory responses in rabbits. <i>Plant Biotechnology Journal</i> , 2015, 13, 222-234.	8.3	32
68	Scaled-up manufacturing of recombinant antibodies produced by plant cells in a 200-L orbitally-shaken disposable bioreactor. <i>Biotechnology and Bioengineering</i> , 2015, 112, 308-321.	3.3	88
69	Comparative Evaluation of Heterologous Production Systems for Recombinant Pulmonary Surfactant Protein D. <i>Frontiers in Immunology</i> , 2014, 5, 623.	4.8	13
70	Malaria vaccine candidate antigen targeting the pre-erythrocytic stage of <i>Plasmodium falciparum</i> produced at high level in plants. <i>Biotechnology Journal</i> , 2014, 9, 1435-1445.	3.5	25
71	Inhibition of protease activity by antisense RNA improves recombinant protein production in <i>Nicotiana tabacum</i> cv. Bright Yellow 2 (BY-2) suspension cells. <i>Biotechnology Journal</i> , 2014, 9, 1065-1073.	3.5	44
72	The production of recombinant cationic α -helical antimicrobial peptides in plant cells induces the formation of protein bodies derived from the endoplasmic reticulum. <i>Plant Biotechnology Journal</i> , 2014, 12, 81-92.	8.3	27

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73	The expression of a recombinant glycolate dehydrogenase polyprotein in potato (<i>Solanum tuberosum</i>) plastids strongly enhances photosynthesis and tuber yield. <i>Plant Biotechnology Journal</i> , 2014, 12, 734-742.	8.3	88
74	Einfluss von molekularen Chaperonen in <i>Escherichia coli</i> S30-Lysaten. <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 1418-1419.	0.8	0
75	Molecular Farming in Plants: The Long Road to the Market. <i>Biotechnology in Agriculture and Forestry</i> , 2014, , 27-41.	0.2	7
76	An Immunohistochemical Assay on Human Tissue using a Human Primary Antibody. <i>Journal of Immunoassay and Immunochemistry</i> , 2014, 35, 322-334.	1.1	6
77	Image-based analysis of cell-specific productivity for plant cell suspension cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 393-399.	2.3	13
78	Comparison of plant-based expression platforms for the heterologous production of geraniol. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 373.	2.3	28
79	Evaluation of tobacco (<i>Nicotiana tabacum</i> L. cv. Petit Havana SR1) hairy roots for the production of geraniol, the first committed step in terpenoid indole alkaloid pathway. <i>Journal of Biotechnology</i> , 2014, 176, 20-28.	3.8	36
80	Molecular farming in tobacco hairy roots by triggering the secretion of a pharmaceutical antibody. <i>Biotechnology and Bioengineering</i> , 2014, 111, 336-346.	3.3	67
81	Molecular pharming in plants and plant cell cultures: a great future ahead?. <i>Pharmaceutical Bioprocessing</i> , 2014, 2, 223-226.	0.8	10
82	Tobacco BY-2 cell-free lysate: an alternative and highly-productive plant-based in vitro translation system. <i>BMC Biotechnology</i> , 2014, 14, 37.	3.3	62
83	A downstream process allowing the efficient isolation of a recombinant amphiphilic protein from tobacco leaves. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 960, 34-42.	2.3	7
84	Assessment of Cultivation Factors that Affect Biomass and Geraniol Production in Transgenic Tobacco Cell Suspension Cultures. <i>PLoS ONE</i> , 2014, 9, e104620.	2.5	30
85	Plant Molecular Pharming, Pharmaceuticals for Human Health plant molecular pharming pharmaceuticals for human health. , 2013, , 1343-1357.		0
86	Abscisic acid and the herbicide safener cyprosulfamide cooperatively enhance abiotic stress tolerance in rice. <i>Molecular Breeding</i> , 2013, 32, 463-484.	2.1	17
87	Simultaneous Treatment with Tebuconazole and Abscisic Acid Induces Drought and Salinity Stress Tolerance in <i>Arabidopsis thaliana</i> by Maintaining Key Plastid Protein Levels. <i>Journal of Proteome Research</i> , 2013, 12, 1266-1281.	3.7	17
88	Correlation between mass transfer coefficient $k_L a$ and relevant operating parameters in cylindrical disposable shaken bioreactors on a bench-to-pilot scale. <i>Journal of Biological Engineering</i> , 2013, 7, 28.	4.7	52
89	Optimization of <i>BY-2</i> cell suspension culture medium for the production of a human antibody using a combination of fractional factorial designs and the response surface method. <i>Plant Biotechnology Journal</i> , 2013, 11, 867-874.	8.3	57
90	Molecular Farming of Pharmaceutical Proteins Using Plant Suspension Cell and Tissue Cultures. <i>Current Pharmaceutical Design</i> , 2013, 19, 5531-5542.	1.9	116

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91	Protective Oral Vaccination against Infectious bursal disease virus Using the Major Viral Antigenic Protein VP2 Produced in <i>Pichia pastoris</i> . PLoS ONE, 2013, 8, e83210.	2.5	42
92	Optimizing the Yield of Recombinant Pharmaceutical Proteins in Plants. Current Pharmaceutical Design, 2013, 19, 5486-5494.	1.9	77
93	Commercial Aspects of Pharmaceutical Protein Production in Plants. Current Pharmaceutical Design, 2013, 19, 5471-5477.	1.9	114
94	Plant-Based Production of Recombinant Plasmodium Surface Protein Pf38 and Evaluation of its Potential as a Vaccine Candidate. PLoS ONE, 2013, 8, e79920.	2.5	36
95	Generation and Expression in Plants of a Single-Chain Variable Fragment Antibody Against the Immunodominant Membrane Protein of Candidatus <i>Phytoplasma Aurantifolia</i> . Journal of Microbiology and Biotechnology, 2013, 23, 1047-1054.	2.1	7
96	The Production of Vaccines and Therapeutic Antibodies in Plants. , 2012, , 145-159.		14
97	A potential nanobiotechnology platform based on infectious bursal disease subviral particles. RSC Advances, 2012, 2, 1970.	3.6	5
98	Development of an optimized tetracycline-inducible expression system to increase the accumulation of interleukin-10 in tobacco BY-2 suspension cells. BMC Biotechnology, 2012, 12, 40.	3.3	20
99	Improved fluoroquinolone detection in ELISA through engineering of a broad-specific single-chain variable fragment binding simultaneously to 20 fluoroquinolones. Analytical and Bioanalytical Chemistry, 2012, 403, 2771-2783.	3.7	46
100	Comprehensive characterization of two different <i>Nicotiana tabacum</i> cell lines leads to doubled GFP and HA protein production by media optimization. Journal of Bioscience and Bioengineering, 2012, 113, 242-248.	2.2	33
101	GMP issues for recombinant plant-derived pharmaceutical proteins. Biotechnology Advances, 2012, 30, 434-439.	11.7	201
102	Monoclonal tobacco cell lines with enhanced recombinant protein yields can be generated from heterogeneous cell suspension cultures by flow sorting. Plant Biotechnology Journal, 2012, 10, 936-944.	8.3	67
103	Light-Weight Optical Sensor for Standoff Detection of Fluorescent Biosensors. Communications in Computer and Information Science, 2012, , 432-437.	0.5	1
104	Tackling Heterogeneity: A Leaf Disc-Based Assay for the High-Throughput Screening of Transient Gene Expression in Tobacco. PLoS ONE, 2012, 7, e45803.	2.5	20
105	Antibody-mediated resistance against plant pathogens. Biotechnology Advances, 2011, 29, 961-971.	11.7	46
106	Affinity purification of a framework 1 engineered mouse/human chimeric IgA2 antibody from tobacco. Biotechnology and Bioengineering, 2011, 108, 2804-2814.	3.3	19
107	Impedance-controlled cell entrapment using microhole-array chips allows the isolation and identification of single, highly productive cells. Sensors and Actuators B: Chemical, 2011, 158, 345-352.	7.8	6
108	One-Step Protein Purification: Use of a Novel Epitope Tag for Highly Efficient Detection and Purification of Recombinant Proteins. Open Biotechnology Journal, 2011, 5, 1-6.	1.2	15

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109	A monoclonal antibody that specifically binds chitosan in vitro and in situ on fungal cell walls. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 1179-1184.	2.1	9
110	Pharmaceuticals. <i>Biotechnology in Agriculture and Forestry</i> , 2010, , 221-235.	0.2	5
111	Biochemical properties of the matrix metalloproteinase NtMMP1 from <i>Nicotiana tabacum</i> cv. BY-2 suspension cells. <i>Planta</i> , 2010, 232, 899-910.	3.2	23
112	A membrane-bound matrix metalloproteinase from <i>Nicotiana tabacum</i> cv. BY-2 is induced by bacterial pathogens. <i>BMC Plant Biology</i> , 2009, 9, 83.	3.6	31
113	An assay for the detection of grapevine leafroll-associated virus 3 using a single-chain fragment variable antibody. <i>Archives of Virology</i> , 2009, 154, 19-26.	2.1	11
114	Molecular farming of human tissue transglutaminase in tobacco plants. <i>Amino Acids</i> , 2009, 36, 765-772.	2.7	11
115	Viral and murine interleukin-10 are correctly processed and retain their biological activity when produced in tobacco. <i>BMC Biotechnology</i> , 2009, 9, 22.	3.3	30
116	<i>Grapevine fanleaf virus</i> (GFLV)-specific antibodies confer GFLV and <i>Arabis mosaic virus</i> (ArMV) resistance in <i>Nicotiana benthamiana</i> . <i>Molecular Plant Pathology</i> , 2009, 10, 41-49.	4.2	32
117	Molecular Farming of Antibodies in Plants. , 2009, , 35-63.		7
118	Plant biotechnology. , 2009, , 162-165.		0
119	Generation and characterization of a recombinant antibody fragment that binds to the coat protein of grapevine leafroll-associated virus 3. <i>Archives of Virology</i> , 2008, 153, 1075-1084.	2.1	19
120	Infrared picosecond laser for perforation of single plant cells. <i>Biotechnology and Bioengineering</i> , 2008, 99, 244-248.	3.3	30
121	Generation and evaluation of movement protein-specific single-chain antibodies for delaying symptoms of <i>Tomato spotted wilt virus</i> infection in tobacco. <i>Plant Pathology</i> , 2008, 57, 854-860.	2.4	13
122	Laser-mediated perforation of plant cells. , 2007, , .		1
123	Facing the Future with Pharmaceuticals from Plants. , 2007, , 13-32.		19
124	Molecular farming of antibodies in plants. , 2007, , 435-469.		17
125	Laser-mediated perforation of plant cells. , 2007, , .		0
126	Antibody-based metabolic engineering in plants. <i>Journal of Biotechnology</i> , 2006, 124, 271-283.	3.8	9

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127	Plantibody-Based Disease Resistance in Plants. , 2006, , 456-476.		1
128	Efficient and Reliable Production of Pharmaceuticals in Alfalfa. , 2005, , 1-12.		13
129	Plant Cells. , 2005, , 253-272.		1
130	Host Plants, Systems and Expression Strategies for Molecular Farming. , 2005, , 191-216.		3
131	Biosafety Aspects of Molecular Farming in Plants. , 2005, , 251-266.		6
132	Foreign Protein Expression Using Plant Cell Suspension and Hairy Root Cultures. , 2005, , 13-36.		7
133	Monocot Expression Systems for Molecular Farming. , 2005, , 55-67.		3
134	Production of Pharmaceutical Proteins in Plants and Plant Cell Suspension Cultures. , 2005, , 91-112.		4
135	Immunomodulation of polyamine biosynthesis in tobacco plants has a significant impact on polyamine levels and generates a dwarf phenotype. <i>Plant Biotechnology Journal</i> , 2005, 3, 237-247.	8.3	24
136	Molecular farming for new drugs and vaccines. <i>EMBO Reports</i> , 2005, 6, 593-599.	4.5	286
137	Production of <i>Desmodus rotundus</i> salivary plasminogen activator ?1 (DSPA?1) in tobacco is hampered by proteolysis. <i>Biotechnology and Bioengineering</i> , 2005, 89, 848-858.	3.3	64
138	Production of an active recombinant thrombomodulin derivative in transgenic tobacco plants and suspension cells. <i>Transgenic Research</i> , 2005, 14, 251-259.	2.4	23
139	Recombinant human tissue transglutaminase produced into tobacco suspension cell cultures is active and recognizes autoantibodies in the serum of coeliac patients. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 842-851.	2.8	17
140	Opportunities for recombinant antigen and antibody expression in transgenic plantsâ€™ technology assessment. <i>Vaccine</i> , 2005, 23, 1764-1769.	3.8	123
141	Transgenic plants in the biopharmaceutical market. <i>Expert Opinion on Emerging Drugs</i> , 2005, 10, 185-218.	2.4	172
142	Antibody Production in Transgenic Plants. , 2004, 248, 301-318.		12
143	Plant-based production of biopharmaceuticals. <i>Current Opinion in Plant Biology</i> , 2004, 7, 152-158.	7.1	563
144	Transient gene expression of recombinant terpenoid indole alkaloid enzymes in <i>Catharanthus roseus</i> leaves. <i>Plant Molecular Biology Reporter</i> , 2004, 22, 15-22.	1.8	26

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145	Molecular Farming in Plants: Technology Platforms. , 2004, , 753-756.		8
146	Molecular farming of recombinant antibodies in plants. Cellular and Molecular Life Sciences, 2003, 60, 433-445.	5.4	139
147	'Molecular farming' of antibodies in plants. Die Naturwissenschaften, 2003, 90, 145-155.	1.6	43
148	Molecular farming in plants: host systems and expression technology. Trends in Biotechnology, 2003, 21, 570-578.	9.3	627
149	Production of therapeutic antibodies in plants. Expert Opinion on Biological Therapy, 2003, 3, 1153-1162.	3.1	17
150	Production of antibodies in plants and their use for global health. Vaccine, 2003, 21, 820-825.	3.8	65
151	Targeting Tryptophan Decarboxylase to Selected Subcellular Compartments of Tobacco Plants Affects Enzyme Stability and in Vivo Function and Leads to a Lesion-Mimic Phenotype. Plant Physiology, 2002, 129, 1160-1169.	4.8	53
152	Construction and Characterization of a Single-chain Antibody Fragment Derived from Thymus of a Patient with Myasthenia Gravis. Autoimmunity, 2002, 35, 125-133.	2.6	4
153	The potato granule bound starch synthase chloroplast transit peptide directs recombinant proteins to plastids. Journal of Plant Physiology, 2002, 159, 1061-1067.	3.5	10
154	Antibody molecular farming in plants and plant cells. Phytochemistry Reviews, 2002, 1, 45-54.	6.5	65
155	Achieving plant disease resistance by antibody expression. Canadian Journal of Plant Pathology, 2001, 23, 236-245.	1.4	12
156	Antibody-based resistance to plant pathogens. Transgenic Research, 2001, 10, 1-12.	2.4	58
157	GST fusion proteins cause false positives during selection of viral movement protein specific single chain antibodies. Journal of Virological Methods, 2001, 91, 139-147.	2.1	13
158	Molecular Farming of Medicines: A Field of Growing Promise. Outlook on Agriculture, 2001, 30, 31-36.	3.4	8
159	Title is missing!. Molecular Breeding, 2000, 6, 317-326.	2.1	43
160	Transient transformation of the rust fungus Puccinia graminis f. sp. tritici. Molecular Genetics and Genomics, 2000, 262, 911-915.	2.4	35
161	Toward Molecular Farming of Therapeutics in Plants. Developments in Plant Genetics and Breeding, 2000, 5, 229-238.	0.6	1
162	Apoplasmic and cytosolic expression of full-size antibodies and antibody fragments in Nicotiana tabacum. Transgenic Research, 1999, 8, 255-263.	2.4	101

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163	Expression and characterization of bispecific single-chain Fv fragments produced in transgenic plants. FEBS Journal, 1999, 262, 810-816.	0.2	94
164	Optimizing Expression of a Rare Codon-Rich Viral Protein in Escherichia coli Using the IMPACT System. Analytical Biochemistry, 1999, 271, 202-204.	2.4	5
165	Molecular Farming of Recombinant Antibodies in Plants. Biological Chemistry, 1999, 380, 825-39.	2.5	139
166	Accumulation of antibody fusion proteins in the cytoplasm and ER of plant cells. Plant Science, 1999, 149, 63-71.	3.6	39
167	Transient expression of a tumor-specific single-chain fragment and a chimeric antibody in tobacco leaves. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11128-11133.	7.1	228
168	Title is missing!. Molecular Breeding, 1998, 4, 369-379.	2.1	104
169	Transient Gene Expression in Plant Protoplasts. Methods in Biotechnology, 1998, , 165-175.	0.2	2
170	Characterization and Applications of Plant-Derived Recombinant Antibodies. Methods in Biotechnology, 1998, , 129-142.	0.2	5
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