Charles J Arntzen

List of Publications by Year
in descending order

38	5,383	218662	395678
papers	citations	26 h-index	33 g-index

38	38	38	2115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and assembly of Escherichia coli heat-labile enterotoxin B subunit in transgenic lettuce (Lactuca sativa). Protein Expression and Purification, 2007, 51, 22-27.	1.3	54
2	Rapid, high-level production of hepatitis B core antigen in plant leaf and its immunogenicity in mice. Vaccine, 2006, 24, 2506-2513.	3.8	116
3	Induction of protective immune responses against the challenge ofActinobacillus pleuropneumoniaeby the oral administration of transgenic tobacco plant expressing ApxIIA toxin from the bacteria. FEMS Immunology and Medical Microbiology, 2006, 48, 381-389.	2.7	19
4	Protection conferred by recombinant Yersinia pestis antigens produced by a rapid and highly scalable plant expression system. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 861-866.	7.1	125
5	Plant-Derived Vaccines: Progress and Constraints. , 2005, , 135-158.		3
6	Transgenic Plants for Mucosal Vaccines. , 2005, , 1053-1060.		2
7	Immunogenicity in humans of an edible vaccine for hepatitis B. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3378-3382.	7.1	282
8	A mucosally targeted subunit vaccine candidate eliciting HIV-1 transcytosis-blocking Abs. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13584-13589.	7.1	82
9	Plant cell factories and mucosal vaccines. Current Opinion in Biotechnology, 2003, 14, 145-150.	6.6	106
10	Targeting of plant-derived vaccine antigens to immunoresponsive mucosal sites. Vaccine, 2003, 21, 809-811.	3.8	29
11	Structural characterization of plant-derived hepatitis B surface antigen employed in oral immunization studies. Vaccine, 2003, 21, 4011-4021.	3.8	43
12	Plants and Human Health: Delivery of Vaccines via Transgenic Plants. , 2003, , 383-387.		0
13	Edible plant vaccines: applications for prophylactic and therapeutic molecular medicine. Trends in Molecular Medicine, 2002, 8, 324-329.	6.7	208
14	Agricultural biotechnology. Journal of the Science of Food and Agriculture, 2001, 81, 805-809.	3.5	3
15	Plants for delivery of edible vaccines. Current Opinion in Biotechnology, 2000, 11, 126-129.	6.6	198
16	Production of hepatitis B surface antigen in transgenic plants for oral immunization. Nature Biotechnology, 2000, 18, 1167-1171.	17.5	446
17	Pharmaceutical Foodstuffs: Oral Immunization with Transgenic Plants. Current Plant Science and Biotechnology in Agriculture, 1999, , 17-20.	0.0	0
18	Immunogenicity in humans of a recombinant bacterial antigen delivered in a transgenic potato. Nature Medicine, 1998, 4, 607-609.	30.7	574

#	Article	IF	Citations
19	Edible vaccine protects mice against Escherichia coli heat-labile enterotoxin (LT): potatoes expressing a synthetic LT-B gene. Vaccine, 1998, 16, 1336-1343.	3.8	328
20	Reconstitution of the Light Harvesting Chlorophyll a/b Pigment-Protein Complex into Developing Chloroplast Membranes Using a Dialyzable Detergent. Plant Physiology, 1986, 80, 931-937.	4.8	12
21	Movement of a sub-population of the light harvesting complex (LHCII) from grana to stroma lamellae as a consequence of its phosphorylation. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 765, 89-96.	1.0	131
22	Conformation and orientation of chlorophyll-proteins in photosystem I by circular dichroism and polarized infrared spectroscopies. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 640-647.	1.0	23
23	LIGHT-INDUCED QUENCHING OF PHOTOSYSTEM II FLUORESCENCE AT 77 K. Photochemistry and Photobiology, 1983, 38, 609-614.	2.5	10
24	The detection, isolation and characterization of a light-harvesting complex which is specifically associated with Photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 1983, 724, 151-158.	1.0	208
25	A demonstration of the physiological role of membrane phosphorylation in chloroplasts, using the bipartite and tripartite models of photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 680, 343-351.	1.0	42
26	Protein phosphorylation and excitation energy distribution in normal, intermittent-light-grown, and a chlorophyll b-less mutant of barley. Archives of Biochemistry and Biophysics, 1982, 218, 199-206.	3.0	39
27	CHLOROPLAST MEMBRANE PROTEIN PHOSPHORYLATION. Photochemistry and Photobiology, 1982, 36, 743-748.	2.5	92
28	Photosynthetic Membrane Structure and Function. , 1982, , 65-151.		72
29	Identification of a 32â€“34-kilodalton polypeptide as a herbicide receptor protein in Photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 635, 236-248.	1.0	100
30	Chloroplast protein phosphorylation couples plastoquinone redox state to distribution of excitation energy between photosystems. Nature, 1981, 291, 25-29.	27.8	608
31	Chlorophyll Proteins of Photosystem I. Plant Physiology, 1980, 65, 814-822.	4.8	559
32	A Developmental Study of Photosystem I Peripheral Chlorophyll Proteins. Plant Physiology, 1980, 65, 823-827.	4.8	137
33	Simulation of grana stacking in a model membrane system. Mediation by a purified light-harvesting pigment-protein complex from chloroplasts. Biochimica Et Biophysica Acta - Bioenergetics, 1980, 589, 100-117.	1.0	226
34	Modification of Herbicide Binding to Photosystem II in Two Biotypes of Senecio vulgaris L. Plant Physiology, 1979, 64, 995-999.	4.8	124
35	The Mode of Action of Photosystem II-Specific Inhibitors in Herbicide-Resistant Weed Biotypes. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1979, 34, 996-1009.	1.4	222
36	Evidence for the role of surface-exposed segments of the light-harvesting complex in cation-mediated control of chloroplast structure and function. Archives of Biochemistry and Biophysics, 1979, 195, 546-557.	3.0	143

#	Article	IF	Citations
37	Effects of Ions and Gravity Forces on the Supramolecular Organization and Excitation Energy Distribution in Chloroplast Membranes. Novartis Foundation Symposium, 1979, , 147-175.	1.1	13
38	ABNORMAL GUARD CELL DEVELOPMENT IN AN OLIVE NECROTIC MUTANT OF MAIZE. American Journal of Botany, 1974, 61, 580-584.	1.7	4