

# Charles J Arntzen

## List of Publications by Year in descending order

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38  
papers

5,383  
citations

249298

26  
h-index

445137

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and assembly of Escherichia coli heat-labile enterotoxin B subunit in transgenic lettuce ( <i>Lactuca sativa</i> ). <i>Protein Expression and Purification</i> , 2007, 51, 22-27.	0.6	54
2	Rapid, high-level production of hepatitis B core antigen in plant leaf and its immunogenicity in mice. <i>Vaccine</i> , 2006, 24, 2506-2513.	1.7	116
3	Induction of protective immune responses against the challenge of <i>Actinobacillus pleuropneumoniae</i> by the oral administration of transgenic tobacco plant expressing ApxIIA toxin from the bacteria. <i>FEMS Immunology and Medical Microbiology</i> , 2006, 48, 381-389.	2.7	19
4	Protection conferred by recombinant <i>Yersinia pestis</i> antigens produced by a rapid and highly scalable plant expression system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 861-866.	3.3	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3378-3382.	3.3	282
8	A mucosally targeted subunit vaccine candidate eliciting HIV-1 transcytosis-blocking Abs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13584-13589.	3.3	82
9	Plant cell factories and mucosal vaccines. <i>Current Opinion in Biotechnology</i> , 2003, 14, 145-150.	3.3	106
10	Targeting of plant-derived vaccine antigens to immunoresponsive mucosal sites. <i>Vaccine</i> , 2003, 21, 809-811.	1.7	29
11	Structural characterization of plant-derived hepatitis B surface antigen employed in oral immunization studies. <i>Vaccine</i> , 2003, 21, 4011-4021.	1.7	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. <i>Trends in Molecular Medicine</i> , 2002, 8, 324-329.	3.5	208
14	Agricultural biotechnology. <i>Journal of the Science of Food and Agriculture</i> , 2001, 81, 805-809.	1.7	3
15	Plants for delivery of edible vaccines. <i>Current Opinion in Biotechnology</i> , 2000, 11, 126-129.	3.3	198
16	Production of hepatitis B surface antigen in transgenic plants for oral immunization. <i>Nature Biotechnology</i> , 2000, 18, 1167-1171.	9.4	446
17	Pharmaceutical Foodstuffs: Oral Immunization with Transgenic Plants. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1999, , 17-20.	0.0	0
18	Immunogenicity in humans of a recombinant bacterial antigen delivered in a transgenic potato. <i>Nature Medicine</i> , 1998, 4, 607-609.	15.2	574

#	ARTICLE	IF	CITATIONS
19	Edible vaccine protects mice against Escherichia coli heat-labile enterotoxin (LT): potatoes expressing a synthetic LT-B gene. <i>Vaccine</i> , 1998, 16, 1336-1343.	1.7	328
20	Reconstitution of the Light Harvesting Chlorophyll <i>a/b</i> Pigment-Protein Complex into Developing Chloroplast Membranes Using a Dialyzable Detergent. <i>Plant Physiology</i> , 1986, 80, 931-937.	2.3	12
21	Movement of a sub-population of the light harvesting complex (LHCII) from grana to stroma lamellae as a consequence of its phosphorylation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1984, 765, 89-96.	0.5	131
22	Conformation and orientation of chlorophyll-proteins in photosystem I by circular dichroism and polarized infrared spectroscopies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1984, 767, 640-647.	0.5	23
23	LIGHT-INDUCED QUENCHING OF PHOTOSYSTEM II FLUORESCENCE AT 77 K. <i>Photochemistry and Photobiology</i> , 1983, 38, 609-614.	1.3	10
24	The detection, isolation and characterization of a light-harvesting complex which is specifically associated with Photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 724, 151-158.	0.5	208
25	A demonstration of the physiological role of membrane phosphorylation in chloroplasts, using the bipartite and tripartite models of photosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 680, 343-351.	0.5	42
26	Protein phosphorylation and excitation energy distribution in normal, intermittent-light-grown, and a chlorophyll b-less mutant of barley. <i>Archives of Biochemistry and Biophysics</i> , 1982, 218, 199-206.	1.4	39
27	CHLOROPLAST MEMBRANE PROTEIN PHOSPHORYLATION. <i>Photochemistry and Photobiology</i> , 1982, 36, 743-748.	1.3	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. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 635, 236-248.	0.5	100
30	Chloroplast protein phosphorylation couples plastoquinone redox state to distribution of excitation energy between photosystems. <i>Nature</i> , 1981, 291, 25-29.	13.7	608
31	Chlorophyll Proteins of Photosystem I. <i>Plant Physiology</i> , 1980, 65, 814-822.	2.3	559
32	A Developmental Study of Photosystem I Peripheral Chlorophyll Proteins. <i>Plant Physiology</i> , 1980, 65, 823-827.	2.3	137
33	Simulation of grana stacking in a model membrane system. Mediation by a purified light-harvesting pigment-protein complex from chloroplasts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1980, 589, 100-117.	0.5	226
34	Modification of Herbicide Binding to Photosystem II in Two Biotypes of <i>Senecio vulgaris</i> L. <i>Plant Physiology</i> , 1979, 64, 995-999.	2.3	124
35	The Mode of Action of Photosystem II-Specific Inhibitors in Herbicide-Resistant Weed Biotypes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1979, 34, 996-1009.	0.6	222
36	Evidence for the role of surface-exposed segments of the light-harvesting complex in cation-mediated control of chloroplast structure and function. <i>Archives of Biochemistry and Biophysics</i> , 1979, 195, 546-557.	1.4	143

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37	Effects of Ions and Gravity Forces on the Supramolecular Organization and Excitation Energy Distribution in Chloroplast Membranes. Novartis Foundation Symposium, 1979, , 147-175.	1.2	13
38	ABNORMAL GUARD CELL DEVELOPMENT IN AN OLIVE NECROTIC MUTANT OF MAIZE. American Journal of Botany, 1974, 61, 580-584.	0.8	4