

# Aldo Ceriotti

## List of Publications by Year in descending order

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65  
papers

3,579  
citations

186265

28  
h-index

144013

57  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3736  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. <i>Science</i> , 2017, 357, 93-97.	12.6	781
2	Durum wheat genome highlights past domestication signatures and future improvement targets. <i>Nature Genetics</i> , 2019, 51, 885-895.	21.4	576
3	Protein quality control along the route to the plant vacuole.. <i>Plant Cell</i> , 1997, 9, 1869-1880.	6.6	188
4	The Role of the Endoplasmic Reticulum in Protein Synthesis, Modification and Intracellular Transport. <i>Journal of Experimental Botany</i> , 1993, 44, 1417-1444.	4.8	119
5	Protein Quality Control Mechanisms and Protein Storage in the Endoplasmic Reticulum. A Conflict of Interests?. <i>Plant Physiology</i> , 2004, 136, 3420-3426.	4.8	99
6	Bean homologs of the mammalian glucose-regulated proteins: induction by tunicamycin and interaction with newly synthesized seed storage proteins in the endoplasmic reticulum. <i>Plant Journal</i> , 1992, 2, 443-455.	5.7	94
7	Cysteine and Glutathione Secretion in Response to Protein Disulfide Bond Formation in the ER. <i>Science</i> , 1997, 277, 1681-1684.	12.6	93
8	Ricin A chain without its partner B chain is degraded after retrotranslocation from the endoplasmic reticulum to the cytosol in plant cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14726-14731.	7.1	92
9	The Internal Propeptide of the Ricin Precursor Carries a Sequence-Specific Determinant for Vacuolar Sorting. <i>Plant Physiology</i> , 2001, 126, 167-175.	4.8	89
10	Binding of BiP to an assembly-defective protein in plant cells. <i>Plant Journal</i> , 1994, 5, 103-110.	5.7	87
11	Free Ricin A Chain, Proricin, and Native Toxin Have Different Cellular Fates When Expressed in Tobacco Protoplasts. <i>Journal of Biological Chemistry</i> , 1998, 273, 14194-14199.	3.4	86
12	Title is missing!. <i>Plant Molecular Biology</i> , 1998, 38, 1-29.	3.9	83
13	Saporin and ricin A chain follow different intracellular routes to enter the cytosol of intoxicated cells. <i>FEBS Journal</i> , 2005, 272, 4983-4995.	4.7	80
14	The Binding Protein Associates with Monomeric Phaseolin. <i>Plant Physiology</i> , 1995, 107, 1411-1418.	4.8	71
15	Transport of ricin and 2S albumin precursors to the storage vacuoles of <i>Ricinus communis</i> endosperm involves the Golgi and VSR-like receptors. <i>Plant Journal</i> , 2004, 39, 821-833.	5.7	63
16	Glycosylation is not needed for the intracellular transport of phytohemagglutinin in developing <i>Phaseolus vulgaris</i> cotyledons and for the maintenance of its biological activities. <i>Physiologia Plantarum</i> , 1985, 65, 15-22.	5.2	61
17	Accumulation of a sulphur-rich seed albumin from sunflower in the leaves of transgenic subterranean clover ( <i>Trifolium subterraneum</i> L.). <i>Transgenic Research</i> , 1996, 5, 179-185.	2.4	58
18	Expression of the wild-type and mutated vacuolar storage protein phaseolin in <i>Xenopus</i> oocytes reveals relationships between assembly and intracellular transport. <i>FEBS Journal</i> , 1991, 202, 959-968.	0.2	54

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19	Biosynthesis and processing of phytohemagglutinin in developing bean cotyledons. FEBS Journal, 1984, 141, 97-104.	0.2	51
20	Endoplasmic Reticulum-Associated Degradation of Ricin A Chain Has Unique and Plant-Specific Features. Plant Physiology, 2005, 137, 287-296.	4.8	47
21	The Role of CDC48 in the Retro-translocation of Non-ubiquitinated Toxin Substrates in Plant Cells. Journal of Biological Chemistry, 2008, 283, 15869-15877.	3.4	46
22	The Rate of Phaseolin Assembly Is Controlled by the Glucosylation State of Its N-Linked Oligosaccharide Chains.. Plant Cell, 1997, 9, 597-609.	6.6	41
23	Role of Individual Disulfide Bonds in the Structural Maturation of a Low Molecular Weight Glutenin Subunit. Journal of Biological Chemistry, 2001, 276, 32322-32329.	3.4	39
24	<i>Pichia pastoris</i> as a host for secretion of toxic saporin chimeras. FASEB Journal, 2010, 24, 253-265.	0.5	37
25	Misfolding and aggregation of vacuolar glycoproteins in plant cells. Plant Journal, 2000, 24, 825-836.	5.7	36
26	Exogenous Protein Expression in <i>Xenopus</i> Oocytes. , 2007, 375, 107-131.		35
27	Trimer formation determines the rate of influenza virus haemagglutinin transport in the early stages of secretion in <i>Xenopus</i> oocytes.. Journal of Cell Biology, 1990, 111, 409-420.	5.2	34
28	Cytosolic immunization allows the expression of preATF- $\epsilon$ saporin chimeric toxin in eukaryotic cells. FASEB Journal, 2000, 14, 391-398.	0.5	28
29	Identification of Early Represented Gluten Proteins during Durum Wheat Grain Development. Journal of Agricultural and Food Chemistry, 2017, 65, 3242-3250.	5.2	28
30	A Saporin-6 cDNA containing a precursor sequence coding for a carboxyl-terminal extension. FEBS Letters, 1991, 291, 285-288.	2.8	25
31	ER Dislocation: Cdc48p/p97 Gets Into the AAAct. Current Biology, 2002, 12, R182-R184.	3.9	25
32	Systematic comparison of single-chain Fv antibody-fusion toxin constructs containing <i>Pseudomonas</i> Exotoxin A or saporin produced in different microbial expression systems. Microbial Cell Factories, 2015, 14, 19.	4.0	23
33	The position of the proricin vacuolar targeting signal is functionally important. Plant Molecular Biology, 2003, 51, 631-641.	3.9	22
34	Optimization of construct design and fermentation strategy for the production of bioactive ATF-SAP, a saporin based anti-tumoral uPAR-targeted chimera. Microbial Cell Factories, 2016, 15, 194.	4.0	21
35	Lectin-like proteins accumulate as fragmentation products in bean seed protein bodies. FEBS Letters, 1989, 250, 157-160.	2.8	20
36	Assembly and Intracellular Transport of Phaseolin, the Major Storage Protein of <i>Phaseolus vulgaris</i> L.. Journal of Plant Physiology, 1995, 145, 648-653.	3.5	20

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37	An asparagine residue at the N-terminus affects the maturation process of low molecular weight glutenin subunits of wheat endosperm. <i>BMC Plant Biology</i> , 2014, 14, 64.	3.6	20
38	Signal peptide-regulated toxicity of a plant ribosome-inactivating protein during cell stress. <i>Plant Journal</i> , 2011, 65, 218-229.	5.7	19
39	Molecular analysis of a phytohemagglutinin-defective cultivar of <i>Phaseolus vulgaris</i> L.. <i>Planta</i> , 1985, 166, 201-207.	3.2	18
40	The N-terminal Ricin Propeptide Influences the Fate of Ricin A-chain in Tobacco Protoplasts. <i>Journal of Biological Chemistry</i> , 2006, 281, 23377-23385.	3.4	18
41	Prospects to improve the nutritional quality of crops. <i>Food and Energy Security</i> , 2022, 11, e327.	4.3	15
42	Ricin B Chain Targeted to the Endoplasmic Reticulum of Tobacco Protoplasts Is Degraded by a CDC48- and Vacuole-independent Mechanism*. <i>Journal of Biological Chemistry</i> , 2008, 283, 33276-33286.	3.4	13
43	A Relaxed Specificity in Interchain Disulfide Bond Formation Characterizes the Assembly of a Low-Molecular-Weight Glutenin Subunit in the Endoplasmic Reticulum. <i>Plant Physiology</i> , 2009, 149, 412-423.	4.8	13
44	Chapter 21 Import into the Endoplasmic Reticulum. <i>Methods in Cell Biology</i> , 1995, 50, 295-308.	1.1	11
45	Gene-ecology of durum wheat HMW glutenin reflects their diffusion from the center of origin. <i>Scientific Reports</i> , 2018, 8, 16929.	3.3	11
46	The Rate of Phaseolin Assembly Is Controlled by the Glucosylation State of Its N-Linked Oligosaccharide Chains. <i>Plant Cell</i> , 1997, 9, 597.	6.6	9
47	Endoplasmic Reticulum-associated Protein Degradation in Plant Cells. <i>Plant Cell Monographs</i> , 2006, , 75-98.	0.4	9
48	Waste disposal in the endoplasmic reticulum, ROS production and plant salt stress response. <i>Cell Research</i> , 2011, 21, 555-557.	12.0	9
49	Stringent thiol-mediated retention in B lymphocytes and <i>Xenopus</i> oocytes correlates with inefficient IgM polymerization. <i>European Journal of Immunology</i> , 1997, 27, 1283-1291.	2.9	8
50	Redox regulation of glutenin subunit assembly in the plant endoplasmic reticulum. <i>Plant Journal</i> , 2012, 72, 1015-1026.	5.7	8
51	Type I Ribosome-Inactivating Proteins from <i>Saponaria officinalis</i> . <i>Plant Cell Monographs</i> , 2010, , 55-78.	0.4	7
52	Iron Binding Properties of Recombinant Class A Protein Disulfide Isomerase from <i>Arabidopsis thaliana</i> . <i>Biochemistry</i> , 2017, 56, 2116-2125.	2.5	7
53	Monitoring changes of lipid composition in durum wheat during grain development. <i>Journal of Cereal Science</i> , 2021, 97, 103131.	3.7	6
54	The endoplasmic reticulum of plant cells and its role in protein maturation and biogenesis of oil bodies. , 1998, , 1-29.		6

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55	mRNA Translation in <i>Xenopus</i> Oocytes. , 1995, 37, 151-178.		5
56	Chapter 36 Synthesis of Plant Proteins in Heterologous Systems: <i>Xenopus laevis</i> Oocytes. <i>Methods in Cell Biology</i> , 1995, 50, 497-517.	1.1	5
57	Uniparental and transgressive expression of $\beta$ -zeins in maize endosperm of o2 hybrid lines. <i>PLoS ONE</i> , 2018, 13, e0206993.	2.5	5
58	Secretion of Thiols and Disulfide Bond Formation: Retraction. <i>Science</i> , 1998, 279, 1283j-1283.	12.6	2
59	Protein Quality Control along the Route to the Plant Vacuole. <i>Plant Cell</i> , 1997, 9, 1869.	6.6	1
60	Misfolding and aggregation of vacuolar glycoproteins in plant cells. <i>Plant Journal</i> , 2000, 24, 825-836.	5.7	1
61	Ribosome-Inactivating Proteins from <i>Saponaria Officinalis</i> : Tools in the Design of Immunotoxins and Ligand Toxins. , 1992, , 19-29.		1
62	The synthesis of phaseolin: a model for the study of the plant secretory pathway. <i>Giornale Botanico Italiano (Florence, Italy: 1962)</i> , 1996, 130, 891-900.	0.0	0
63	A Quantitative Method to Monitor the Efficacy of Inhibitors Against the Chymotrypsin-Like Activity of the Proteasome in Tobacco Leaf Protoplasts. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 829-840.	1.8	0
64	Editorial: Proceedings of FSTP3 Congressâ€œA Sustainable Durum Wheat Chain for Food Security and Healthy Lives. <i>Frontiers in Plant Science</i> , 2021, 12, 675510.	3.6	0
65	Exogenous Protein Expression in <i>Xenopus</i> Oocytes: Basic Procedures. , 0, , 107-132.		0