Riccardo Angelini

List of Publications by Year
in descending order

80 papers	4,300 citations	117625 34 h-index	106344 65 g-index
82 all docs	82 docs citations	82 times ranked	2685 citing authors

#	Article	IF	Citations
1	Functions of amine oxidases in plant development and defence. Trends in Plant Science, 2006, 11, 80-88.	8.8	548
2	The polyamines and their catabolic products are significant players in the turnover of nitrogenous molecules in plants. Journal of Experimental Botany, 2012, 63, 5003-5015.	4.8	247
3	Plant amine oxidases â€œon the moveâ€: An update. Plant Physiology and Biochemistry, 2010, 48, 560-564.	5.8	174
4	A 30 Ã... long U-shaped catalytic tunnel in the crystal structure of polyamine oxidase. Structure, 1999, 7, 265-276.	3.3	160
5	Spatial and functional correlation between diamine-oxidase and peroxidase activities and their dependence upon de-etiolation and wounding in chick-pea stems. Planta, 1990, 182, 89-96.	3.2	150
6	Heterologous Expression and Biochemical Characterization of a Polyamine Oxidase from Arabidopsis Involved in Polyamine Back Conversion. Plant Physiology, 2006, 141, 1519-1532.	4.8	144
7	Functional diversity inside the Arabidopsis polyamine oxidase gene family. Journal of Experimental Botany, 2011, 62, 1155-1168.	4.8	140
8	Histochemical Evidence of Polyamine Oxidation and Generation of Hydrogen Peroxide in the Cell Wall. Journal of Plant Physiology, 1989, 135, 212-217.	3.5	133
9	Copper Amine Oxidase Expression in Defense Responses to Wounding and Ascochyta rabiei Invasion. Plant Physiology, 2002, 128, 865-875.	4.8	130
10	Copper-Containing Amine Oxidases and FAD-Dependent Polyamine Oxidases Are Key Players in Plant Tissue Differentiation and Organ Development. Frontiers in Plant Science, 2016, 7, 824.	3.6	120
11	FAD-containing polyamine oxidases: a timely challenge for researchers in biochemistry and physiology of plants. Plant Science, 2001, 160, 197-207.	3.6	119
12	Involvement of Polyamine Oxidase in Wound Healing. Plant Physiology, 2008, 146, 162-177.	4.8	112
13	Ectopic Expression of Maize Polyamine Oxidase and Pea Copper Amine Oxidase in the Cell Wall of Tobacco Plants. Plant Physiology, 2004, 134, 1414-1426.	4.8	108
14	Polyamine Oxidase, a Hydrogen Peroxide-Producing Enzyme, Is Up-Regulated by Light and Down-Regulated by Auxin in the Outer Tissues of the Maize Mesocotyl. Plant Physiology, 2003, 131, 803-813.	4.8	102
15	Perturbation of Polyamine Catabolism Can Strongly Affect Root Development and Xylem Differentiation Â. Plant Physiology, 2011, 157, 200-215.	4.8	96
16	Maize polyamine oxidase: primary structure from protein and cDNA sequencing. FEBS Letters, 1998, 426, 62-66.	2.8	89
17	Occurrence of diamine oxidase in the apoplast of pea epicotyls. Planta, 1986, 167, 300-302.	3.2	86
18	Involvement of Polyamines, Diamine Oxidase and Peroxidase in Resistance of Chickpea to Ascochyta rabiei. Journal of Plant Physiology, 1993, 142, 704-709.	3.5	84

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19	The members of Arabidopsis thaliana PAO gene family exhibit distinct tissue- and organ-specific expression pattern during seedling growth and flower development. Amino Acids, 2012, 42, 831-841.	2.7	73
20	A plant spermine oxidase/dehydrogenase regulated by the proteasome and polyamines. Journal of Experimental Botany, 2014, 65, 1585-1603.	4.8	71
21	Structural Bases for Inhibitor Binding and Catalysis in Polyamine Oxidaseâ€,â€¡. Biochemistry, 2001, 40, 2766-2776.	2.5	63
22	Developmentally and wound-regulated expression of the gene encoding a cell wall copper amine oxidase in chickpea seedlings 1. FEBS Letters, 1998, 437, 177-182.	2.8	59
23	A barley polyamine oxidase isoform with distinct structural features and subcellular localization. FEBS Journal, 2001, 268, 3816-3830.	0.2	59
24	Distribution of polyamines and their related catabolic enzyme in etiolated and light-grown leguminosae seedlings. Planta, 1988, 173, 317-321.	3.2	57
25	Flavin-containing polyamine oxidase is a hydrogen peroxide source in the oxidative response to the protein phosphatase inhibitor cantharidin in Zea mays L.. Journal of Experimental Botany, 2006, 57, 2277-2289.	4.8	55
26	De-etiolation causes a phytochrome-mediated increase of polyamine oxidase expression in outer tissues of the maize mesocotyl: a role in the photomodulation of growth and cell wall differentiation. Planta, 1999, 208, 146-154.	3.2	50
27	Characterization of maize polyamine oxidase. Phytochemistry, 1990, 29, 2411-2414.	2.9	49
28	Lys300 Plays a Major Role in the Catalytic Mechanism of Maize Polyamine Oxidaseâ€. Biochemistry, 2005, 44, 16108-16120.	2.5	48
29	Analysis of the distribution of copper amine oxidase in cell walls of legume seedlings. Planta, 2001, 214, 37-45.	3.2	45
30	A novel Câ€terminal sequence from barley polyamine oxidase is a vacuolar sorting signal. Plant Journal, 2004, 40, 410-418.	5.7	44
31	Isolation and characterization of three polyamine oxidase genes from Zea mays. Plant Physiology and Biochemistry, 2000, 38, 667-677.	5.8	41
32	The Apoplastic Copper AMINE OXIDASE1 Mediates Jasmonic Acid-Induced Protoxylem Differentiation in Arabidopsis Roots. Plant Physiology, 2015, 168, 690-707.	4.8	41
33	Maize Polyamine Oxidase: Antibody Production and Ultrastructural Localization. Journal of Plant Physiology, 1995, 145, 686-692.	3.5	38
34	Time Courses of Diamine Oxidase and Peroxidase Activities, and Polyamine Changes after Mechanical Injury of Chick-pea Seedlings. Journal of Plant Physiology, 1991, 137, 571-575.	3.5	37
35	Determination of Diamine Oxidase in Lentil Seedlings by Enzymic Activity and Immunoreactivity. Plant Physiology, 1985, 79, 62-64.	4.8	34
36	Cellular re-distribution of flavin-containing polyamine oxidase in differentiating root and mesocotyl of Zea mays L. seedlings. Planta, 2005, 221, 265-276.	3.2	34

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37	Wound healing in plants. Plant Signaling and Behavior, 2008, 3, 204-206.	2.4	34
38	The Arabidopsis polyamine oxidase/dehydrogenase 5 interferes with cytokinin and auxin signaling pathways to control xylem differentiation. Journal of Experimental Botany, 2017, 68, 997-1012.	4.8	33
39	Editorial: Molecular Mechanisms Underlying Polyamine Functions in Plants. Frontiers in Plant Science, 2017, 8, 14.	3.6	33
40	Immunoaffinity purification and characterization of diamine oxidase from Cicer. Phytochemistry, 1985, 24, 2511-2513.	2.9	31
41	The Copper Amine Oxidase AtCuAOÎ´ Participates in Abscisic Acid-Induced Stomatal Closure in Arabidopsis. Plants, 2019, 8, 183.	3.5	29
42	Sub-cellular Localization and Tissue Distribution of Polyamine Oxidase in Maize (Zea mays L.) Seedlings. Journal of Plant Physiology, 1990, 136, 690-695.	3.5	28
43	Molecular Evolution of Alternative Oxidase Proteins: A Phylogenetic and Structure Modeling Approach. Journal of Molecular Evolution, 2016, 82, 207-218.	1.8	27
44	Competitive Inhibition of Swine Kidney Copper Amine Oxidase by Drugs: Amiloride, Clonidine, and Gabexate Mesylate. Biochemical and Biophysical Research Communications, 1997, 240, 150-152.	2.1	26
45	Spatial distribution and temporal accumulation of mRNA encoding diamine oxidase during lentil (Lens) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	24
46	Plant Copper Amine Oxidases: Key Players in Hormone Signaling Leading to Stress-Induced Phenotypic Plasticity. International Journal of Molecular Sciences, 2021, 22, 5136.	4.1	23
47	Oxidation of acetylpolyamines by maize polyamine oxidase. Phytochemistry, 1996, 43, 339-341.	2.9	22
48	Barley polyamine oxidase isoforms 1 and 2, a peculiar case of gene duplication. FEBS Journal, 2006, 273, 3990-4002.	4.7	22
49	Developmental, hormone- and stress-modulated expression profiles of four members of the Arabidopsis copper-amine oxidase gene family. Plant Physiology and Biochemistry, 2020, 147, 141-160.	5.8	22
50	Microbiological Quality of Ready-to-Eat Leafy Green Salads during Shelf-Life and Home-Refrigeration. Foods, 2020, 9, 1421.	4.3	22
51	Cell Wall Amine Oxidases: New Players in Root Xylem Differentiation under Stress Conditions. Plants, 2015, 4, 489-504.	3.5	21
52	The Four FAD-Dependent Histone Demethylases of Arabidopsis Are Differently Involved in the Control of Flowering Time. Frontiers in Plant Science, 2019, 10, 669.	3.6	21
53	Does polyamine catabolism influence root development and xylem differentiation under stress conditions?. Plant Signaling and Behavior, 2011, 6, 1844-1847.	2.4	20
54	POLYAMINE OXIDASE2 of Arabidopsis contributes to ABA mediated plant developmental processes. Plant Physiology and Biochemistry, 2015, 96, 231-240.	5.8	19

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55	Purification and characterization of oat polyamine oxidase. Phytochemistry, 1989, 28, 2045-2046.	2.9	18
56	Inhibition of Pig Liver andZea maysL. Polyamine Oxidase: A Comparative Study. Journal of Enzyme Inhibition and Medicinal Chemistry, 2001, 16, 147-155.	0.5	18
57	Phytochrome-Mediated Control of Diamine Oxidase Level in the Epicotyl of Etiolated Lentil (Lens) Tj ETQq1 1 0.784314 rgBT /Over	4.8	17
58	Spermidine Pretreatment or Root Tip Removal in Maize Seedlings: Effects on K+ Uptake and Tissue Modifications. Journal of Plant Physiology, 1992, 140, 741-746.	3.5	16
59	The MeJA-inducible copper amine oxidase AtAO1 is expressed in xylem tissue and guard cells. Plant Signaling and Behavior, 2015, 10, e1073872.	2.4	15
60	Leaf-Wounding Long-Distance Signaling Targets AtCuAOÎ² Leading to Root Phenotypic Plasticity. Plants, 2020, 9, 249.	3.5	13
61	Wound healing response and xylem differentiation in tobacco plants over-expressing a fungal endopolygalacturonase is mediated by copper amine oxidase activity. Plant Physiology and Biochemistry, 2014, 82, 54-65.	5.8	12
62	Maize polyamine oxidase in the presence of spermine/spermidine induces the apoptosis of LoVo human colon adenocarcinoma cells. International Journal of Oncology, 2019, 54, 2080-2094.	3.3	12
63	Polyamine oxidase bound to cell walls from Zea mays seedlings. Phytochemistry, 1992, 31, 2955-2957.	2.9	10
64	Transient Kinetics of Polyamine Oxidase fromZea maysL. Archives of Biochemistry and Biophysics, 1997, 343, 146-148.	3.0	9
65	Stress-Triggered Long-Distance Communication Leads to Phenotypic Plasticity: The Case of the Early Root Protoxylem Maturation Induced by Leaf Wounding in Arabidopsis. Plants, 2018, 7, 107.	3.5	9
66	Purification of diamine oxidase from lens culinaris by affinity chromatography. Plant Science, 1985, 38, 9-12.	3.6	8
67	Crystallization and preliminary X-ray analysis of polyamine oxidase from Zea mays L.. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 1429-1431.	2.5	8
68	Purification of Polyamine Oxidase from Maize Seedlings by Immunoadsorbent Column. Advances in Experimental Medicine and Biology, 1988, 250, 617-623.	1.6	7
69	On the Occurrence of Oxidoreductases in the Apoplast of Leguminosae and Gramineae and their Significance in the Study of Plasmamembrane-Bound Redox Activities. , 1988, , 333-337.		7
70	Enzymatic Methods for the Quantification of Polyamines Using Plant Amine Oxidases. Biochemie Und Physiologie Der Pflanzen, 1991, 187, 113-119.	0.5	5
71	Determination of Copper Amine Oxidase Activity in Plant Tissues. Methods in Molecular Biology, 2018, 1694, 129-139.	0.9	5
72	A New Player in Jasmonate-Mediated Stomatal Closure: The Arabidopsis thaliana Copper Amine Oxidase Î². Cells, 2021, 10, 3399.	4.1	4

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73	Competitive Inhibition ofLens XulinarisI. Copper Amine Oxidase by Amiloride,p-Aminobenzamidine, Clonidine, 4â€²,6-Diamidino-2-Phenylindole and Gabexate Mesylate: A Comparative Study. Journal of Enzyme Inhibition and Medicinal Chemistry, 1998, 13, 465-471.	0.5	3
74	Arabidopsis N-acetyltransferase activity 2 preferentially acetylates 1,3-diaminopropane and thialysine. Plant Physiology and Biochemistry, 2022, 170, 123-132.	5.8	3
75	Enzymatic cell wall proteins in higher plants. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 221-229.	0.0	0
76	On the possible involvement of Polyamine oxidase in cell elongation. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 1007-1008.	0.0	0
77	Polyamine Oxidase Photoregulation in Zea mays. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 985-986.	0.0	0
78	Diamino oxidase activity and mRNA accumulation of its encoding gene during lentil (Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 129, 1022-1023.	0.0	0
79	Oxidation of Acetylpolyamines by Maize Polyamine Oxidase. Giornale Botanico Italiano (Florence, Italy:) Tj ETQq1 1 0.784314 rgBT /O	0.0	0
80	Different disulfide bridge connectivity drives alternative folds in highly homologousBrassicaceaetrypsin inhibitors. IUBMB Life, 2015, 67, 966-970.	3.4	0