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	Arabidopsis N-acetyltransferase activity 2 preferentially acetylates 1,3-diaminopropane and thialysine. Plant Physiology and Biochemistry, 2022, 170, 123-132.	5.8	3
2	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
3	A New Player in Jasmonate-Mediated Stomatal Closure: The Arabidopsis thaliana Copper Amine Oxidase Î². Cells, 2021, 10, 3399.	4.1	4
4	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
5	Microbiological Quality of Ready-to-Eat Leafy Green Salads during Shelf-Life and Home-Refrigeration. Foods, 2020, 9, 1421.	4.3	22
6	Leaf-Wounding Long-Distance Signaling Targets AtCuAOÎ² Leading to Root Phenotypic Plasticity. Plants, 2020, 9, 249.	3.5	13
7	The Copper Amine Oxidase AtCuAOÎ´ Participates in Abscisic Acid-Induced Stomatal Closure in Arabidopsis. Plants, 2019, 8, 183.	3.5	29
8	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
9	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
10	Determination of Copper Amine Oxidase Activity in Plant Tissues. Methods in Molecular Biology, 2018, 1694, 129-139.	0.9	5
11	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
12	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
13	Editorial: Molecular Mechanisms Underlying Polyamine Functions in Plants. Frontiers in Plant Science, 2017, 8, 14.	3.6	33
14	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
15	Molecular Evolution of Alternative Oxidase Proteins: A Phylogenetic and Structure Modeling Approach. Journal of Molecular Evolution, 2016, 82, 207-218.	1.8	27
16	Different disulfide bridge connectivity drives alternative folds in highly homologousBrassicaceaetrypsin inhibitors. IUBMB Life, 2015, 67, 966-970.	3.4	0
17	Cell Wall Amine Oxidases: New Players in Root Xylem Differentiation under Stress Conditions. Plants, 2015, 4, 489-504.	3.5	21
18	The Apoplastic Copper AMINE OXIDASE1 Mediates Jasmonic Acid-Induced Protoxylem Differentiation in Arabidopsis Roots. Plant Physiology, 2015, 168, 690-707.	4.8	41

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19	POLYAMINE OXIDASE2 of Arabidopsis contributes to ABA mediated plant developmental processes. Plant Physiology and Biochemistry, 2015, 96, 231-240.	5.8	19
20	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
21	A plant spermine oxidase/dehydrogenase regulated by the proteasome and polyamines. Journal of Experimental Botany, 2014, 65, 1585-1603.	4.8	71
22	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
23	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
24	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
25	Perturbation of Polyamine Catabolism Can Strongly Affect Root Development and Xylem Differentiation Â. Plant Physiology, 2011, 157, 200-215.	4.8	96
26	Functional diversity inside the Arabidopsis polyamine oxidase gene family. Journal of Experimental Botany, 2011, 62, 1155-1168.	4.8	140
27	Does polyamine catabolism influence root development and xylem differentiation under stress conditions?. Plant Signaling and Behavior, 2011, 6, 1844-1847.	2.4	20
28	Plant amine oxidases â€œon the moveâ€• An update. Plant Physiology and Biochemistry, 2010, 48, 560-564.	5.8	174
29	Involvement of Polyamine Oxidase in Wound Healing. Plant Physiology, 2008, 146, 162-177.	4.8	112
30	Wound healing in plants. Plant Signaling and Behavior, 2008, 3, 204-206.	2.4	34
31	Functions of amine oxidases in plant development and defence. Trends in Plant Science, 2006, 11, 80-88.	8.8	548
32	Barley polyamine oxidase isoforms 1 and 2, a peculiar case of gene duplication. FEBS Journal, 2006, 273, 3990-4002.	4.7	22
33	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
34	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
35	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
36	Lys300 Plays a Major Role in the Catalytic Mechanism of Maize Polyamine Oxidaseâ€. Biochemistry, 2005, 44, 16108-16120.	2.5	48

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37	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
38	A novel Câ€terminal sequence from barley polyamine oxidase is a vacuolar sorting signal. Plant Journal, 2004, 40, 410-418.	5.7	44
39	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
40	Copper Amine Oxidase Expression in Defense Responses to Wounding and Ascochyta rabiei Invasion. Plant Physiology, 2002, 128, 865-875.	4.8	130
41	Structural Bases for Inhibitor Binding and Catalysis in Polyamine Oxidaseâ€,â€¡. Biochemistry, 2001, 40, 2766-2776.	2.5	63
42	FAD-containing polyamine oxidases: a timely challenge for researchers in biochemistry and physiology of plants. Plant Science, 2001, 160, 197-207.	3.6	119
43	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
44	Analysis of the distribution of copper amine oxidase in cell walls of legume seedlings. Planta, 2001, 214, 37-45.	3.2	45
45	A barley polyamine oxidase isoform with distinct structural features and subcellular localization. FEBS Journal, 2001, 268, 3816-3830.	0.2	59
46	Isolation and characterization of three polyamine oxidase genes from Zea mays. Plant Physiology and Biochemistry, 2000, 38, 667-677.	5.8	41
47	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
48	A 30 Ã... long U-shaped catalytic tunnel in the crystal structure of polyamine oxidase. Structure, 1999, 7, 265-276.	3.3	160
49	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
50	Maize polyamine oxidase: primary structure from protein and cDNA sequencing. FEBS Letters, 1998, 426, 62-66.	2.8	89
51	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
52	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
53	Transient Kinetics of Polyamine Oxidase fromZea maysL. Archives of Biochemistry and Biophysics, 1997, 343, 146-148.	3.0	9
54	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

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55	Spatial distribution and temporal accumulation of mRNA encoding diamine oxidase during lentil (Lens) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	24
56	Oxidation of acetylpolyamines by maize polyamine oxidase. Phytochemistry, 1996, 43, 339-341.	2.9	22
57	Enzymatic cell wall proteins in higher plants. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 221-229.	0.0	0
58	On the possible involvement of Polyamine oxidase in cell elongation. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 1007-1008.	0.0	0
59	Polyamine Oxidase Photoregulation in Zea mays. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 985-986.	0.0	0
60	Diamino oxidase activity and mRNA accumulation of its encoding gene during lentil (<i>Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 129, 1022-1023.	0.0	0
61	Oxidation of Acetylpolyamines by Maize Polyamine Oxidase. Giornale Botanico Italiano (Florence, Italy:) Tj ETQq1 1 0.784314 rgBT /Ov	0.0	0
62	Maize Polyamine Oxidase: Antibody Production and Ultrastructural Localization. Journal of Plant Physiology, 1995, 145, 686-692.	3.5	38
63	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
64	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
65	Polyamine oxidase bound to cell walls from Zea mays seedlings. Phytochemistry, 1992, 31, 2955-2957.	2.9	10
66	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
67	Enzymatic Methods for the Quantification of Polyamines Using Plant Amine Oxidases. Biochemie Und Physiologie Der Pflanzen, 1991, 187, 113-119.	0.5	5
68	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
69	Characterization of maize polyamine oxidase. Phytochemistry, 1990, 29, 2411-2414.	2.9	49
70	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
71	Purification and characterization of oat polyamine oxidase. Phytochemistry, 1989, 28, 2045-2046.	2.9	18
72	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

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73	Distribution of polyamines and their related catabolic enzyme in etiolated and light-grown leguminosae seedlings. Planta, 1988, 173, 317-321.	3.2	57
74	Phytochrome-Mediated Control of Diamine Oxidase Level in the Epicotyl of Etiolated Lentil (<i>Lens) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	17
75	Purification of Polyamine Oxidase from Maize Seedlings by Immunoadsorbent Column. Advances in Experimental Medicine and Biology, 1988, 250, 617-623.	1.6	7
76	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
77	Occurrence of diamine oxidase in the apoplast of pea epicotyls. Planta, 1986, 167, 300-302.	3.2	86
78	Immunoaffinity purification and characterization of diamine oxidase from Cicer. Phytochemistry, 1985, 24, 2511-2513.	2.9	31
79	Determination of Diamine Oxidase in Lentil Seedlings by Enzymic Activity and Immunoreactivity. Plant Physiology, 1985, 79, 62-64.	4.8	34
80	Purification of diamine oxidase from lens culinaris by affinity chromatography. Plant Science, 1985, 38, 9-12.	3.6	8