

Alessandra Cona

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1935602/publications.pdf>

Version: 2024-02-01

42
papers

2,180
citations

304743

22
h-index

265206

42
g-index

42
all docs

42
docs citations

42
times ranked

2065
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	Plant amine oxidases –on the move– An update. Plant Physiology and Biochemistry, 2010, 48, 560-564.	5.8	174
3	Polyamine catabolism: target for antiproliferative therapies in animals and stress tolerance strategies in plants. Amino Acids, 2012, 42, 411-426.	2.7	130
4	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
5	Involvement of Polyamine Oxidase in Wound Healing. Plant Physiology, 2008, 146, 162-177.	4.8	112
6	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
7	Perturbation of Polyamine Catabolism Can Strongly Affect Root Development and Xylem Differentiation. Plant Physiology, 2011, 157, 200-215.	4.8	96
8	Inhibition of polyamine and spermine oxidases by polyamine analogues. FEBS Journal, 2006, 273, 1115-1123.	4.7	60
9	A barley polyamine oxidase isoform with distinct structural features and subcellular localization. FEBS Journal, 2001, 268, 3816-3830.	0.2	59
10	Xanthophyll cycle components and capacity for non-radiative energy dissipation in sun and shade leaves of <i>Ligustrum ovalifolium</i> exposed to conditions limiting photosynthesis. Photosynthesis Research, 1994, 41, 451-463.	2.9	58
11	Flavin-containing polyamine oxidase is a hydrogen peroxide source in the oxidative response to the protein phosphatase inhibitor cantharidin in <i>Zea mays</i> L.. Journal of Experimental Botany, 2006, 57, 2277-2289.	4.8	55
12	Synthesis of New Linear Guanidines and Macrocyclic Amidinourea Derivatives Endowed with High Antifungal Activity against <i>Candida</i> spp. and <i>Aspergillus</i> spp.. Journal of Medicinal Chemistry, 2009, 52, 7376-7379.	6.4	55
13	Characterization of maize polyamine oxidase. Phytochemistry, 1990, 29, 2411-2414.	2.9	49
14	Lys300 Plays a Major Role in the Catalytic Mechanism of Maize Polyamine Oxidase. Biochemistry, 2005, 44, 16108-16120.	2.5	48
15	Molecular Basis for the Binding of Competitive Inhibitors of Maize Polyamine Oxidase. Biochemistry, 2004, 43, 3426-3435.	2.5	46
16	The Apoplastic Copper AMINE OXIDASE1 Mediates Jasmonic Acid-Induced Protoxylem Differentiation in Arabidopsis Roots. Plant Physiology, 2015, 168, 690-707.	4.8	41
17	Cellular re-distribution of flavin-containing polyamine oxidase in differentiating root and mesocotyl of <i>Zea mays</i> L. seedlings. Planta, 2005, 221, 265-276.	3.2	34
18	Wound healing in plants. Plant Signaling and Behavior, 2008, 3, 204-206.	2.4	34

#	ARTICLE	IF	CITATIONS
19	The Arabidopsis polyamine oxidase/dehydrogenase 5 interferes with cytokinin and auxin signaling pathways to control xylem differentiation. <i>Journal of Experimental Botany</i> , 2017, 68, 997-1012.	4.8	33
20	The Copper Amine Oxidase AtCuAO ¹ Participates in Abscisic Acid-Induced Stomatal Closure in Arabidopsis. <i>Plants</i> , 2019, 8, 183.	3.5	29
21	Histaminase PEGylation: Preparation and characterization of a new bioconjugate for therapeutic application. <i>Journal of Controlled Release</i> , 2006, 115, 168-174.	9.9	28
22	Plant Copper Amine Oxidases: Key Players in Hormone Signaling Leading to Stress-Induced Phenotypic Plasticity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5136.	4.1	23
23	Barley polyamine oxidase isoforms 1 and 2, a peculiar case of gene duplication. <i>FEBS Journal</i> , 2006, 273, 3990-4002.	4.7	22
24	Developmental, hormone- and stress-modulated expression profiles of four members of the Arabidopsis copper-amine oxidase gene family. <i>Plant Physiology and Biochemistry</i> , 2020, 147, 141-160.	5.8	22
25	Cell Wall Amine Oxidases: New Players in Root Xylem Differentiation under Stress Conditions. <i>Plants</i> , 2015, 4, 489-504.	3.5	21
26	The Four FAD-Dependent Histone Demethylases of Arabidopsis Are Differently Involved in the Control of Flowering Time. <i>Frontiers in Plant Science</i> , 2019, 10, 669.	3.6	21
27	Does polyamine catabolism influence root development and xylem differentiation under stress conditions?. <i>Plant Signaling and Behavior</i> , 2011, 6, 1844-1847.	2.4	20
28	POLYAMINE OXIDASE2 of Arabidopsis contributes to ABA mediated plant developmental processes. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 231-240.	5.8	19
29	The MeJA-inducible copper amine oxidase <i>AtAO1</i> is expressed in xylem tissue and guard cells. <i>Plant Signaling and Behavior</i> , 2015, 10, e1073872.	2.4	15
30	Photosystem II core phosphorylation heterogeneity and the regulation of electron transfer in higher plants: a review. <i>Bioelectrochemistry</i> , 1995, 38, 67-75.	1.0	13
31	Leaf-Wounding Long-Distance Signaling Targets AtCuAO ² Leading to Root Phenotypic Plasticity. <i>Plants</i> , 2020, 9, 249.	3.5	13
32	Wound healing response and xylem differentiation in tobacco plants over-expressing a fungal endopolygalacturonase is mediated by copper amine oxidase activity. <i>Plant Physiology and Biochemistry</i> , 2014, 82, 54-65.	5.8	12
33	Maize polyamine oxidase in the presence of spermine/spermidine induces the apoptosis of LoVo human colon adenocarcinoma cells. <i>International Journal of Oncology</i> , 2019, 54, 2080-2094.	3.3	12
34	Polyamine oxidase bound to cell walls from <i>Zea mays</i> seedlings. <i>Phytochemistry</i> , 1992, 31, 2955-2957.	2.9	10
35	Synthesis and Biological Evaluation of Guanidino Compounds Endowed with Subnanomolar Affinity as Competitive Inhibitors of Maize Polyamine Oxidase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4774-4785.	6.4	9
36	Stress-Triggered Long-Distance Communication Leads to Phenotypic Plasticity: The Case of the Early Root Protoxylem Maturation Induced by Leaf Wounding in Arabidopsis. <i>Plants</i> , 2018, 7, 107.	3.5	9

#	ARTICLE	IF	CITATIONS
37	Mutation of Arabidopsis Copper-Containing Amine Oxidase Gene AtCuAO ¹ Alters Polyamines, Reduces Gibberellin Content and Affects Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7789.	4.1	8
38	Purification of Polyamine Oxidase from Maize Seedlings by Immunoabsorbent Column. <i>Advances in Experimental Medicine and Biology</i> , 1988, 250, 617-623.	1.6	7
39	Determination of Copper Amine Oxidase Activity in Plant Tissues. <i>Methods in Molecular Biology</i> , 2018, 1694, 129-139.	0.9	5
40	A New Player in Jasmonate-Mediated Stomatal Closure: The Arabidopsis thaliana Copper Amine Oxidase ¹ 2. <i>Cells</i> , 2021, 10, 3399.	4.1	4
41	Arabidopsis N-acetyltransferase activity 2 preferentially acetylates 1,3-diaminopropane and thialysine. <i>Plant Physiology and Biochemistry</i> , 2022, 170, 123-132.	5.8	3
42	Dynamics of Photosystem II Core Phosphorylation Heterogeneity. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1995, 129, 1061-1062.	0.0	1