

# MarÃ-a A. Ferrer

## List of Publications by Year in descending order

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55  
papers

1,953  
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279487

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44  
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56  
docs citations

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times ranked

2303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant Systems and O <sub>2</sub> <sup>•-</sup> /H <sub>2</sub> O <sub>2</sub> Production in the Apoplast of Pea Leaves. Its Relation with Salt-Induced Necrotic Lesions in Minor Veins. <i>Plant Physiology</i> , 2001, 127, 817-831.	2.3	624
2	4-Methoxy-1-naphthol as a specific substrate for kinetic, zymographic and cytochemical studies on plant peroxidase activities. <i>Phytochemical Analysis</i> , 1990, 1, 63-69.	1.2	99
3	Changes in phenol content during strawberry ( <i>Fragaria Ananassa</i> , cv. Chandler) callus culture. <i>Physiologia Plantarum</i> , 2001, 113, 315-322.	2.6	99
4	Differential effects of nitric oxide on peroxidase and H <sub>2</sub> O <sub>2</sub> production by the xylem of <i>Zinnia elegans</i> . <i>Plant, Cell and Environment</i> , 1999, 22, 891-897.	2.8	89
5	Antioxidant activity and rosmarinic acid changes in salicylic acid-treated <i>Thymus membranaceus</i> shoots. <i>Food Chemistry</i> , 2012, 130, 362-369.	4.2	71
6	Structural changes, chemical composition and antioxidant activity of cherry tomato fruits (cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54. <i>Agriculture</i> , 2009, 89, 1543-1551.	1.7	60
7	Induction of sesquiterpenes, phytoesters and extracellular pathogenesis-related proteins in elicited cell cultures of <i>Capsicum annuum</i> . <i>Journal of Plant Physiology</i> , 2010, 167, 1273-1281.	1.6	57
8	The apoplastic antioxidant enzymatic system in the wood-forming tissues of trees. <i>Trees - Structure and Function</i> , 2006, 20, 145-156.	0.9	54
9	Expression and characterization of three tomato 1-aminocyclopropane-1-carboxylate oxidase cDNAs in yeast. <i>FEBS Journal</i> , 1998, 253, 20-26.	0.2	43
10	Oxidation of coniferyl alcohol by cell wall peroxidases at the expense of indole-3-acetic acid and O <sub>2</sub> . <i>FEBS Letters</i> , 1990, 276, 127-130.	1.3	41
11	Heavy metal stress reduces the deposition of calcium oxalate crystals in leaves of <i>Phaseolus vulgaris</i> . <i>Journal of Plant Physiology</i> , 2005, 162, 1183-1187.	1.6	37
12	Enhancement of phytosterols, taraxasterol and induction of extracellular pathogenesis-related proteins in cell cultures of <i>Solanum lycopersicum</i> cv Micro-Tom elicited with cyclodextrins and methyl jasmonate. <i>Journal of Plant Physiology</i> , 2012, 169, 1050-1058.	1.6	37
13	Different mechanisms of the metalliferous <i>Zygophyllum fabago</i> shoots and roots to cope with Pb toxicity. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1319-1330.	2.7	37
14	Oxidation of Capsaicin and Capsaicin Phenolic Precursors by the Basic Peroxidase Isoenzyme B6 from Hot Pepper. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 352-355.	2.4	35
15	In situ characterization of a NO-sensitive peroxidase in the lignifying xylem of <i>Zinnia elegans</i> . <i>Physiologia Plantarum</i> , 2002, 114, 33-40.	2.6	35
16	The Cell Wall Localization of two Strongly Basic Isoperoxidases in Etiolated <i>Lupinus albus</i> Hypocotyls and its Significance in Coniferyl Alcohol Oxidation and Indole-3-Acetic Acid Catabolism. <i>Journal of Plant Physiology</i> , 1992, 139, 611-616.	1.6	33
17	Changes in phenolic metabolism in salicylic acid-treated shoots of <i>Cistus heterophyllus</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 113, 417-427.	1.2	32
18	The Tonoplast Localization of Two Basic Isoperoxidases of High pl in <i>Lupinus</i> . <i>Botanica Acta</i> , 1991, 104, 272-278.	1.6	31

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19	Differential Pb tolerance in metallicolous and non-metallicolous <i>Zygophyllum fabago</i> populations involves the strengthening of the antioxidative pathways. <i>Environmental and Experimental Botany</i> , 2018, 150, 141-151.	2.0	31
20	Pb-induced responses in <i>Zygophyllum fabago</i> plants are organ-dependent and modulated by salicylic acid. <i>Plant Physiology and Biochemistry</i> , 2014, 84, 57-66.	2.8	30
21	Indole-3-methanol is the main product of the oxidation of indole-3-acetic acid catalyzed by two cytosolic basic isoperoxidases from <i>Lupinus</i> . <i>Planta</i> , 1990, 181, 448-450.	1.6	29
22	Methanol elicits the accumulation of bioactive steviol glycosides and phenolics in <i>Stevia rebaudiana</i> shoot cultures. <i>Industrial Crops and Products</i> , 2016, 87, 273-279.	2.5	27
23	Elicitor-Induced Transcriptional Changes of Genes of the Steviol Glycoside Biosynthesis Pathway in <i>Stevia rebaudiana</i> Bertoni. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 971-985.	2.8	27
24	Seasonal changes in antioxidative/oxidative profile of mining and non-mining populations of Syrian bean-caper as determined by soil conditions. <i>Science of the Total Environment</i> , 2017, 575, 437-447.	3.9	24
25	Salt Stress-Induced Changes in In Vitro Cultured <i>Stevia rebaudiana</i> Bertoni: Effect on Metabolite Contents, Antioxidant Capacity and Expression of Steviol Glycosides-Related Biosynthetic Genes. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1341-1353.	2.8	21
26	Constitutive isoflavones as modulators of indole-3-acetic acid oxidase activity of acidic cell wall isoperoxidases from lupin hypocotyls. <i>Phytochemistry</i> , 1992, 31, 3681-3684.	1.4	16
27	Soluble peroxidase gradients in lupin hypocotyls and the control of the level of polarly transported indole-3-yl-acetic acid. <i>Journal of Plant Growth Regulation</i> , 1991, 10, 139-146.	2.8	15
28	Antioxidant Capacity as a Marker for Assessing the In Vitro Performance of the Endangered <i>Cistus heterophyllus</i> . <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	0.8	15
29	Response of biogeochemical processes of the water-soil-plant system to experimental flooding-drying conditions in a eutrophic wetland: the role of <i>Phragmites australis</i> . <i>Plant and Soil</i> , 2015, 396, 109-125.	1.8	15
30	Coordinated role of soluble and cell wall bound phenols is a key feature of the metabolic adjustment in a mining woody fleabane ( <i>Dittrichia viscosa</i> L.) population under semi-arid conditions. <i>Science of the Total Environment</i> , 2018, 618, 1139-1151.	3.9	14
31	Purification of a basic peroxidase isoenzyme from <i>Capsicum</i> fruits and the immunoinhibition of its capsaicin oxidation capacity by antibodies raised against horseradish peroxidase. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1994, 199, 240-242.	0.7	13
32	Inactivation of cell wall acidic peroxidase isoenzymes during the oxidation of coniferyl alcohol in <i>Lupinus</i> . <i>Phytochemistry</i> , 1994, 36, 1161-1163.	1.4	13
33	Control of the Lignification in <i>Lupinus</i> by Genistein Acting as Superoxide Scavenger and Inhibitor of the Peroxidase-catalyzed Oxidation of Coniferyl Alcohol. <i>Journal of Plant Physiology</i> , 1994, 144, 64-67.	1.6	13
34	Does diphenylene iodonium chloride have any effect on the O <sub>2</sub> <sup>•-</sup> -generating step of plant peroxidases?. <i>FEBS Letters</i> , 1999, 462, 254-256.	1.3	13
35	Purification and stability of a basic peroxidase from strawberry callus culture. <i>Plant Physiology and Biochemistry</i> , 2001, 39, 479-486.	2.8	13
36	Evaluation of the environmental plasticity in the xerohalophyte <i>Zygophyllum fabago</i> L. for the phytomanagement of mine tailings in semiarid areas. <i>Chemosphere</i> , 2016, 161, 259-265.	4.2	13

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37	Plant Growth Regulators as Potential Elicitors to Increase the Contents of Phenolic Compounds and Antioxidant Capacity in Stevia Plants. <i>Sugar Tech</i> , 2019, 21, 696-702.	0.9	12
38	A Biochemical and Cytochemical Study of the Cuticle-associated Peroxidases in Lupinus. <i>Annals of Botany</i> , 1991, 67, 561-568.	1.4	10
39	Seasonal ionic and metabolic changes in Aleppo pines growing on mine tailings under Mediterranean semi-arid climate. <i>Science of the Total Environment</i> , 2018, 637-638, 625-635.	3.9	10
40	OPDA and ABA accumulation in Pb-stressed <i>Zygophyllum fabago</i> can be primed by salicylic acid and coincides with organ-specific differences in accumulation of phenolics. <i>Plant Physiology and Biochemistry</i> , 2020, 154, 612-621.	2.8	9
41	Changes in peroxidase activity and isoperoxidase pattern during strawberry ( <i>Fragaria × ananassa</i> ) callus development. <i>Journal of Plant Physiology</i> , 2002, 159, 429-435.	1.6	8
42	Subcellular Localization of a Basic Peroxidase Isoenzyme in Crisphead Lettuce. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 1276-1278.	0.5	7
43	Gibberellin reverses the negative effect of paclobutrazol but not of chlorocholine chloride on the expression of SGs/GAs biosynthesis-related genes and increases the levels of relevant metabolites in <i>Stevia rebaudiana</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 146, 171-184.	1.2	6
44	Aluminum-mediated fosetyl-Al effects on peroxidase secreted from grapevine cells. <i>Environmental and Experimental Botany</i> , 1994, 34, 329-336.	2.0	5
45	Long-term exposure treatments revert the initial SA-induced alterations of phenolic metabolism in grapevine cell cultures. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 122, 665-673.	1.2	5
46	Salicylic-Acid-Regulated Antioxidant Capacity Contributes to Growth Improvement of Okra ( <i>Abelmoschus esculentus</i> cv. Red Balady). <i>Agronomy</i> , 2022, 12, 168.	1.3	5
47	Ca <sup>2+</sup> and Mg <sup>2+</sup> ions counteract the reduction by fosetyl-Al (aluminum tris[ethyl phosphonate]) of peroxidase activity from suspension-cultured grapevine cells. <i>Plant Cell, Tissue and Organ Culture</i> , 1997, 47, 207-212.	1.2	4
48	Differential Response of Phenol Metabolism Associated with Antioxidative Network in Elicited Grapevine Suspension Cultured Cells under Saline Conditions. <i>Antioxidants</i> , 2022, 11, 388.	2.2	4
49	Genistein as an endogenous natural substrate of acidic peroxidases in lupin hypocotyls. <i>Annals of Applied Biology</i> , 1994, 125, 173-178.	1.3	3
50	Genotoxicity and Cytotoxicity Induced in <i>Zygophyllum fabago</i> by Low Pb Doses Depends on the Population's Redox Plasticity. <i>Horticulturae</i> , 2021, 7, 455.	1.2	3
51	Accumulation and tolerance of cadmium in a non-metallicolous ecotype of <i>Silene vulgaris</i> Garcke (Moench). <i>Anales De Biología</i> , 2014, , .	0.2	2
52	Subtle changes in light intensity affect in vitro responses but not ex vitro performance of <i>Limonium sinuatum</i> . <i>3 Biotech</i> , 2018, 8, 335.	1.1	2
53	Inactivation of the peroxidase isoenzyme groups, APx and Lpl BPrx, markers of the in vitro culture of grapevine, by fosetyl-Al (aluminum tris[ethyl phosphonate]). <i>Journal of Plant Physiology</i> , 1996, 149, 149-152.	1.6	1
54	Effects of ethrel on peroxidase of iceberg lettuce leaf tissue. <i>Postharvest Biology and Technology</i> , 1996, 7, 301-307.	2.9	1

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55	Demonstrating the localization of an enzyme in specific plant tissues. Journal of Biological Education, 1994, 28, 239-241.	0.8	0