

Francisco Corpas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

265
papers

17,140
citations

74
h-index

122
g-index

283
ext. papers

19,565
ext. citations

5.6
avg, IF

7.17
L-index

#	Paper	IF	Citations
265	Nitric oxide and hydrogen sulfide share regulatory functions in higher plant events. <i>Biocell</i> , 2022 , 46, 1-5	1.9	3
264	Irradiated chitosan (ICH): an alternative tool to increase essential oil content in lemongrass (<i>Cymbopogon flexuosus</i>). <i>Acta Physiologiae Plantarum</i> , 2022 , 44, 1	2.6	3
263	Nitric oxide and hydrogen sulfide share regulatory functions in higher plant events. <i>Biocell</i> , 2022 , 46, 1-5	1.9	2
262	Potassium (K) Starvation-Induced Oxidative Stress Triggers a General Boost of Antioxidant and NADPH-Generating Systems in the Halophyte .. <i>Antioxidants</i> , 2022 , 11,	7.1	3
261	Nitric oxide-releasing nanomaterials: from basic research to potential biotechnological applications in agriculture.. <i>New Phytologist</i> , 2022 ,	9.8	2
260	Thiol-Based Oxidative Posttranslational Modifications (oxiPTMs) of Plant Proteins.. <i>Plant and Cell Physiology</i> , 2022 ,	4.9	3
259	Interactions of melatonin, ROS and NO during fruit ripening: An update and prospective view.. <i>Journal of Experimental Botany</i> , 2022 ,	7	5
258	Nitric Oxide (NO) Differentially Modulates the Ascorbate Peroxidase (APX) Isozymes of Sweet Pepper (L.) Fruits.. <i>Antioxidants</i> , 2022 , 11,	7.1	5
257	Peroxisomal Proteome Mining of Sweet Pepper (<i>Capsicum annuum</i> L.) Fruit Ripening Through Whole Isobaric Tags for Relative and Absolute Quantitation Analysis. <i>Frontiers in Plant Science</i> , 2022 , 13,	6.2	1
256	Nitric oxide, salicylic acid and oxidative stress: Is it a perfect equilateral triangle?. <i>Plant Physiology and Biochemistry</i> , 2022 , 184, 56-64	5.4	2
255	H ₂ S in Horticultural Plants: Endogenous Detection by an Electrochemical Sensor, Emission by a Gas Detector, and Its Correlation with L-Cysteine Desulfhydrase (LCD) Activity. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5648	6.3	0
254	Mitochondrial protein expression during sweet pepper (<i>Capsicum annuum</i> L.) fruit ripening: iTRAQ-based proteomic analysis and role of cytochrome c oxidase. <i>Journal of Plant Physiology</i> , 2022 , 274, 153734	3.6	0
253	Transcriptomic Profiling of Fruits from Pepper (<i>Capsicum annuum</i> L.), Variety Padr� (Mild Hot), at Two Ripening States. <i>Biology and Life Sciences Forum</i> , 2021 , 3, 16		
252	NO source in higher plants: present and future of an unresolved question. <i>Trends in Plant Science</i> , 2021 ,	13.1	5
251	RIPK: a crucial ROS signaling component in plants.. <i>Trends in Plant Science</i> , 2021 ,	13.1	2
250	Hydrogen sulfide: an emerging component against abiotic stress in plants. <i>Plant Biology</i> , 2021 ,	3.7	9
249	Spermine-Mediated Tolerance to Selenium Toxicity in Wheat (L.) Depends on Endogenous Nitric Oxide Synthesis. <i>Antioxidants</i> , 2021 , 10,	7.1	1

248	Silica nanoparticles: the rising star in plant disease protection. <i>Trends in Plant Science</i> , 2021 ,	13.1	7
247	Influence of metallic, metallic oxide, and organic nanoparticles on plant physiology.. <i>Chemosphere</i> , 2021 , 290, 133329	8.4	5
246	Tryptophan: A Precursor of Signaling Molecules in Higher Plants. <i>Plant in Challenging Environments</i> , 2021 , 273-289		
245	The of Hydrogen Sulfide(HS)-Dependent Protein Persulfidation in Higher Plants. <i>Antioxidants</i> , 2021 , 10,	7.1	2
244	Loss of function of the chloroplast membrane K/H antiporters AtKEA1 and AtKEA2 alters the ROS and NO metabolism but promotes drought stress resilience. <i>Plant Physiology and Biochemistry</i> , 2021 , 160, 106-119	5.4	10
243	Identification of Compounds with Potential Therapeutic Uses from Sweet Pepper (L.) Fruits and Their Modulation by Nitric Oxide (NO). <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
242	Crosstalk between abscisic acid and nitric oxide under heat stress: exploring new vantage points. <i>Plant Cell Reports</i> , 2021 , 40, 1429-1450	5.1	7
241	Nitric oxide (NO) and salicylic acid (SA): A framework for their relationship in plant development under abiotic stress. <i>Plant Biology</i> , 2021 , 23 Suppl 1, 39-49	3.7	12
240	Silicon nanoparticles elicit an increase in lemongrass (<i>Cymbopogon flexuosus</i> (Steud.) Wats) agronomic parameters with a higher essential oil yield. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125254	12.8	16
239	Auxin metabolic network regulates the plant response to metalloids stress. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124250	12.8	19
238	Main nitric oxide (NO) hallmarks to relieve arsenic stress in higher plants. <i>Journal of Hazardous Materials</i> , 2021 , 406, 124289	12.8	22
237	Multifaceted roles of nitric oxide in tomato fruit ripening: NO-induced metabolic rewiring and consequences for fruit quality traits. <i>Journal of Experimental Botany</i> , 2021 , 72, 941-958	7	21
236	Silicon crosstalk with reactive oxygen species, phytohormones and other signaling molecules. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124820	12.8	18
235	Silicon induces adventitious root formation in rice under arsenate stress with involvement of nitric oxide and indole-3-acetic acid. <i>Journal of Experimental Botany</i> , 2021 , 72, 4457-4471	7	20
234	Nitric oxide and hydrogen sulfide modulate the NADPH-generating enzymatic system in higher plants. <i>Journal of Experimental Botany</i> , 2021 , 72, 830-847	7	22
233	Hydrogen Sulfide and Fruit Ripening. <i>Plant in Challenging Environments</i> , 2021 , 109-121		0
232	Nitric Oxide and Hydrogen Sulfide Coordinately Reduce Glucose Sensitivity and Decrease Oxidative Stress via Ascorbate-Glutathione Cycle in Heat-Stressed Wheat (L.) Plants. <i>Antioxidants</i> , 2021 , 10,	7.1	31
231	Nitric Oxide (NO) Scaffolds the Peroxisomal Protein-Protein Interaction Network in Higher Plants. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2

230	Nitric oxide and hydrogen sulfide: an indispensable combination for plant functioning. <i>Trends in Plant Science</i> , 2021 , 26, 1270-1285	13.1	23
229	Hydrogen sulfide (HS) underpins the beneficial silicon effects against the copper oxide nanoparticles (CuO NPs) phytotoxicity in <i>Oryza sativa</i> seedlings. <i>Journal of Hazardous Materials</i> , 2021 , 415, 124907	12.8	13
228	Vision, challenges and opportunities for a Plant Cell Atlas. <i>ELife</i> , 2021 , 10,	8.9	8
227	Protein nitration: A connecting bridge between nitric oxide (NO) and plant stress. <i>Plant Stress</i> , 2021 , 2, 100026		10
226	Functions of Melatonin During Postharvest of Horticultural Crops.. <i>Plant and Cell Physiology</i> , 2021 ,	4.9	5
225	Inhibition of NADP-malic enzyme activity by H S and NO in sweet pepper (<i>Capsicum annuum</i> L.) fruits. <i>Physiologia Plantarum</i> , 2020 , 168, 278-288	4.6	21
224	Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122882	12.8	98
223	Salicylic acid-induced nitric oxide enhances arsenic toxicity tolerance in maize plants by upregulating the ascorbate-glutathione cycle and glyoxalase system. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123020	12.8	83
222	Plant catalases as NO and HS targets. <i>Redox Biology</i> , 2020 , 34, 101525	11.3	70
221	Superoxide Radical Metabolism in Sweet Pepper (L.) Fruits Is Regulated by Ripening and by a NO-Enriched Environment. <i>Frontiers in Plant Science</i> , 2020 , 11, 485	6.2	24
220	Plant Peroxisomes: A Factory of Reactive Species. <i>Frontiers in Plant Science</i> , 2020 , 11, 853	6.2	32
219	Cadmium and arsenic-induced-stress differentially modulates Arabidopsis root architecture, peroxisome distribution, enzymatic activities and their nitric oxide content. <i>Plant Physiology and Biochemistry</i> , 2020 , 148, 312-323	5.4	33
218	Regulating the regulator: nitric oxide control of post-translational modifications. <i>New Phytologist</i> , 2020 , 227, 1319-1325	9.8	48
217	HS signaling in plants and applications in agriculture. <i>Journal of Advanced Research</i> , 2020 , 24, 131-137	13	78
216	Fluorimetric-Based Method to Detect and Quantify Total S-Nitrosothiols (SNOs) in Plant Samples. <i>Methods in Molecular Biology</i> , 2020 , 2057, 37-43	1.4	1
215	Recommendations on terminology and experimental best practice associated with plant nitric oxide research. <i>New Phytologist</i> , 2020 , 225, 1828-1834	9.8	38
214	Appraisal of HS metabolism in Arabidopsis thaliana: In silico analysis at the subcellular level. <i>Plant Physiology and Biochemistry</i> , 2020 , 155, 579-588	5.4	19
213	Crosstalk among hydrogen sulfide (HS), nitric oxide (NO) and carbon monoxide (CO) in root-system development and its rhizosphere interactions: A gaseous interactome. <i>Plant Physiology and Biochemistry</i> , 2020 , 155, 800-814	5.4	31

212	Antioxidant Profile of Pepper (L.) Fruits Containing Diverse Levels of Capsaicinoids. <i>Antioxidants</i> , 2020 , 9,	7.1	8
211	Reactive Oxygen Species (ROS) Metabolism and Nitric Oxide (NO) Content in Roots and Shoots of Rice (<i>Oryza sativa</i> L.) Plants under Arsenic-Induced Stress. <i>Agronomy</i> , 2020 , 10, 1014	3.6	14
210	NADPH as a quality footprinting in horticultural crops marketability. <i>Trends in Food Science and Technology</i> , 2020 , 103, 152-161	15.3	16
209	Nitric oxide: A radical molecule with potential biotechnological applications in fruit ripening. <i>Journal of Biotechnology</i> , 2020 , 324, 211-219	3.7	15
208	Nitric oxide and hydrogen sulfide protect plasma membrane integrity and mitigate chromium-induced methylglyoxal toxicity in maize seedlings. <i>Plant Physiology and Biochemistry</i> , 2020 , 157, 244-255	5.4	26
207	Hydrogen Sulfide: A New Warrior against Abiotic Stress. <i>Trends in Plant Science</i> , 2019 , 24, 983-988	13.1	61
206	Sweet Pepper (L.) Fruits Contain an Atypical Peroxisomal Catalase That is Modulated by Reactive Oxygen and Nitrogen Species. <i>Antioxidants</i> , 2019 , 8,	7.1	31
205	Short-Term Low Temperature Induces Nitro-Oxidative Stress that Deregulates the NADP-Malic Enzyme Function by Tyrosine Nitration in. <i>Antioxidants</i> , 2019 , 8,	7.1	9
204	A forty year journey: The generation and roles of NO in plants. <i>Nitric Oxide - Biology and Chemistry</i> , 2019 , 93, 53-70	5	108
203	Hydrogen sulfide: A novel component in Arabidopsis peroxisomes which triggers catalase inhibition. <i>Journal of Integrative Plant Biology</i> , 2019 , 61, 871-883	8.3	48
202	Nitric oxide and hydrogen sulfide in plants: which comes first?. <i>Journal of Experimental Botany</i> , 2019 , 70, 4391-4404	7	139
201	Peroxisomes in higher plants: an example of metabolic adaptability. <i>Botany Letters</i> , 2019 , 166, 298-308	1.1	1
200	Nitric oxide-dependent regulation of sweet pepper fruit ripening. <i>Journal of Experimental Botany</i> , 2019 , 70, 4557-4570	7	49
199	Biotechnological Application of Nitric Oxide and Hydrogen Peroxide in Plants 2019 , 245-270		6
198	Hydrogen Peroxide and Nitric Oxide Generation in Plant Cells: Overview and Queries 2019 , 1-16		3
197	Revisiting the role of ROS and RNS in plants under changing environment. <i>Environmental and Experimental Botany</i> , 2019 , 161, 1-3	5.9	73
196	Impact of Nitric Oxide (NO) on the ROS Metabolism of Peroxisomes. <i>Plants</i> , 2019 , 8,	4.5	25
195	NADPH Oxidase (Rboh) Activity is Up Regulated during Sweet Pepper (L.) Fruit Ripening. <i>Antioxidants</i> , 2019 , 8,	7.1	34

194	Arsenate disrupts ion balance, sulfur and nitric oxide metabolisms in roots and leaves of pea (<i>Pisum sativum</i> L.) plants. <i>Environmental and Experimental Botany</i> , 2019 , 161, 143-156	5.9	52
193	Drought stress triggers the accumulation of NO and SNOs in cortical cells of <i>Lotus japonicus</i> L. roots and the nitration of proteins with relevant metabolic function. <i>Environmental and Experimental Botany</i> , 2019 , 161, 228-241	5.9	15
192	Pomegranate (<i>Punica granatum</i> L.) Fruits: Characterization of the Main Enzymatic Antioxidants (Peroxisomal Catalase and SOD Isozymes) and the NADPH-Regenerating System. <i>Agronomy</i> , 2019 , 9, 338	3.6	4
191	Nitric oxide in the physiology and quality of fleshy fruits. <i>Journal of Experimental Botany</i> , 2019 , 70, 4405-4417	3.6	36
190	Assessment of Subcellular ROS and NO Metabolism in Higher Plants: Multifunctional Signaling Molecules. <i>Antioxidants</i> , 2019 , 8,	7.1	164
189	Plant peroxisomes at the crossroad of NO and H ₂ O ₂ metabolism. <i>Journal of Integrative Plant Biology</i> , 2019 , 61, 803-816	8.3	40
188	Crosstalk between nitric oxide (NO) and abscisic acid (ABA) signalling molecules in higher plants. <i>Environmental and Experimental Botany</i> , 2019 , 161, 41-49	5.9	60
187	Calmodulin antagonist affects peroxisomal functionality by disrupting both peroxisomal Ca and protein import. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	13
186	Nitric oxide buffering and conditional nitric oxide release in stress response. <i>Journal of Experimental Botany</i> , 2018 , 69, 3425-3438	7	74
185	Identification of Tyrosine and Nitrotyrosine with a Mixed-Mode Solid-Phase Extraction Cleanup Followed by Liquid Chromatography-Electrospray Time-of-Flight Mass Spectrometry in Plants. <i>Methods in Molecular Biology</i> , 2018 , 1747, 161-169	1.4	1
184	A Simple and Useful Method to Apply Exogenous NO Gas to Plant Systems: Bell Pepper Fruits as a Model. <i>Methods in Molecular Biology</i> , 2018 , 1747, 3-11	1.4	7
183	Nitro-Fatty Acid Detection in Plants by High-Pressure Liquid Chromatography Coupled to Triple Quadrupole Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018 , 1747, 231-239	1.4	4
182	Nitro-oxidative metabolism during fruit ripening. <i>Journal of Experimental Botany</i> , 2018 , 69, 3449-3463	7	67
181	Calcium in plant peroxisomes. What for?. <i>Plant Signaling and Behavior</i> , 2018 , 13, e1449545	2.5	2
180	Plant Superoxide Dismutases: Function Under Abiotic Stress Conditions 2018 , 1-26		22
179	Mechanical wounding promotes local and long distance response in the halophyte <i>Cakile maritima</i> through the involvement of the ROS and RNS metabolism. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 74, 93-101	5	25
178	Assessing Nitric Oxide (NO) in Higher Plants: An Outline. <i>Nitrogen</i> , 2018 , 1, 3	1.8	26
177	Nitric oxide on/off in fruit ripening. <i>Plant Biology</i> , 2018 , 20, 805-807	3.7	49

176	Peroxisomal plant metabolism - an update on nitric oxide, Ca and the NADPH recycling network. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	37
175	The Proteome of Fruit Peroxisomes: Sweet Pepper (<i>Capsicum annuum</i> L.) as a Model. <i>Sub-Cellular Biochemistry</i> , 2018 , 89, 323-341	5.5	16
174	Endogenous hydrogen sulfide (HS) is up-regulated during sweet pepper (<i>Capsicum annuum</i> L.) fruit ripening. In vitro analysis shows that NADP-dependent isocitrate dehydrogenase (ICDH) activity is inhibited by HS and NO. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 81, 36-45	5	58
173	A Role for RNS in the Communication of Plant Peroxisomes with Other Cell Organelles?. <i>Sub-Cellular Biochemistry</i> , 2018 , 89, 473-493	5.5	5
172	A Shoot Fe Signaling Pathway Requiring the OPT3 Transporter Controls GSNO Reductase and Ethylene in Roots. <i>Frontiers in Plant Science</i> , 2018 , 9, 1325	6.2	23
171	S-nitrosoglutathione reductase (GSNOR) activity is down-regulated during pepper (<i>Capsicum annuum</i> L.) fruit ripening. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 51-55	5	51
170	Arsenic-induced stress activates sulfur metabolism in different organs of garlic (<i>Allium sativum</i> L.) plants accompanied by a general decline of the NADPH-generating systems in roots. <i>Journal of Plant Physiology</i> , 2017 , 211, 27-35	3.6	44
169	Nitro-fatty acids in plant signaling: New key mediators of nitric oxide metabolism. <i>Redox Biology</i> , 2017 , 11, 554-561	11.3	54
168	Alternative fluorimetric-based method to detect and compare total S-nitrosothiols in plants. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 7-13	5	4
167	Characterization of the galactono-1,4-lactone dehydrogenase from pepper fruits and its modulation in the ascorbate biosynthesis. Role of nitric oxide. <i>Redox Biology</i> , 2017 , 12, 171-181	11.3	63
166	Immunological evidence for the presence of peroxiredoxin in pea leaf peroxisomes and response to oxidative stress conditions. <i>Acta Physiologiae Plantarum</i> , 2017 , 39, 1	2.6	10
165	Lead-induced stress, which triggers the production of nitric oxide (NO) and superoxide anion (O) in <i>Arabidopsis</i> peroxisomes, affects catalase activity. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 103-110 ⁵		76
164	Plant peroxisomes: A nitro-oxidative cocktail. <i>Redox Biology</i> , 2017 , 11, 535-542	11.3	118
163	Alleviation of Cr(VI)-induced oxidative stress in maize (<i>Zea mays</i> L.) seedlings by NO and HS donors through differential organ-dependent regulation of ROS and NADPH-recycling metabolisms. <i>Journal of Plant Physiology</i> , 2017 , 219, 71-80	3.6	60
162	Glyphosate-induced oxidative stress in <i>Arabidopsis thaliana</i> affecting peroxisomal metabolism and triggers activity in the oxidative phase of the pentose phosphate pathway (OxPPP) involved in NADPH generation. <i>Journal of Plant Physiology</i> , 2017 , 218, 196-205	3.6	51
161	Nitric oxide synthase-like activity in higher plants. <i>Nitric Oxide - Biology and Chemistry</i> , 2017 , 68, 5-6	5	82
160	Nitric oxide signaling and its crosstalk with other plant growth regulators in plant responses to abiotic stress. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 2273-2285	5.1	136
159	Potential Beneficial Effects of Exogenous Nitric Oxide (NO) Application in Plants under Heavy Metal-Induced Stress. <i>International Journal of Plant and Environment</i> , 2017 , 3, 01-05	0.7	4

158	Separation of Plant 6-Phosphogluconate Dehydrogenase (6PGDH) Isoforms by Non-denaturing Gel Electrophoresis. <i>Bio-protocol</i> , 2017 , 7, e2399	0.9	1
157	Detection of Protein -nitrosothiols (SNOs) in Plant Samples on Diaminofluorescein (DAF) Gels. <i>Bio-protocol</i> , 2017 , 7, e2559	0.9	2
156	Modulation of superoxide dismutase (SOD) isozymes by organ development and high long-term salinity in the halophyte <i>Cakile maritima</i> . <i>Protoplasma</i> , 2016 , 253, 885-894	3.4	42
155	Reactive Nitrogen Species (RNS) in Plants Under Physiological and Adverse Environmental Conditions: Current View. <i>Progress in Botany Fortschritte Der Botanik</i> , 2016 , 97-119	0.6	5
154	In vivo and in vitro approaches demonstrate proline is not directly involved in the protection against superoxide, nitric oxide, nitrogen dioxide and peroxyxynitrite. <i>Functional Plant Biology</i> , 2016 , 43, 870-879	2.7	39
153	Peroxisomal NADP-isocitrate dehydrogenase is required for Arabidopsis stomatal movement. <i>Protoplasma</i> , 2016 , 253, 403-15	3.4	38
152	Comparative study of plant growth of two poplar tree species irrigated with treated wastewater, with particular reference to accumulation of heavy metals (Cd, Pb, As, and Ni). <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 99	3.1	28
151	Functional Implications of S-Nitrosothiols under Nitrooxidative Stress Induced by Abiotic Conditions. <i>Advances in Botanical Research</i> , 2016 , 79-96	2.2	4
150	Activation of NADPH-recycling systems in leaves and roots of Arabidopsis thaliana under arsenic-induced stress conditions is accelerated by knock-out of Nudix hydrolase 19 (AtNUDX19) gene. <i>Journal of Plant Physiology</i> , 2016 , 192, 81-9	3.6	33
149	Nitro-Fatty Acids in Plant Signaling: Nitro-Linolenic Acid Induces the Molecular Chaperone Network in Arabidopsis. <i>Plant Physiology</i> , 2016 , 170, 686-701	6.6	83
148	Nitric oxide release from nitro-fatty acids in Arabidopsis roots. <i>Plant Signaling and Behavior</i> , 2016 , 11, e1154255	2.5	14
147	Differential responses to salt-induced oxidative stress in three phylogenetically related plant species: Arabidopsis thaliana (glycophyte), Thellungiella salsuginea and Cakile maritima (halophytes). Involvement of ROS and NO in the control of K ⁺ /Na ⁺ homeostasis. <i>AIMS Biophysics</i> , 2016 , 2, 222-227	0.8	10
146	In Silico Analysis of Arabidopsis thaliana Peroxisomal 6-Phosphogluconate Dehydrogenase. <i>Scientifica</i> , 2016 , 2016, 3482760	2.6	11
145	Antioxidant Systems are Regulated by Nitric Oxide-Mediated Post-translational Modifications (NO-PTMs). <i>Frontiers in Plant Science</i> , 2016 , 7, 152	6.2	100
144	Protein Tyrosine Nitration during Development and Abiotic Stress Response in Plants. <i>Frontiers in Plant Science</i> , 2016 , 7, 1699	6.2	42
143	Quantification and Localization of S-Nitrosothiols (SNOs) in Higher Plants. <i>Methods in Molecular Biology</i> , 2016 , 1424, 139-47	1.4	3
142	Nitro-linolenic acid is a nitric oxide donor. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 57, 57-63	5	38
141	Nitric Oxide Emission and Uptake from Higher Plants. <i>Signaling and Communication in Plants</i> , 2016 , 79-93		5

140	Protein S-Nitrosylation and S-Glutathionylation as Regulators of Redox Homeostasis During Abiotic Stress Response 2016 , 365-386		5
139	Zinc induces distinct changes in the metabolism of reactive oxygen and nitrogen species (ROS and RNS) in the roots of two Brassica species with different sensitivity to zinc stress. <i>Annals of Botany</i> , 2015 , 116, 613-25	4.1	81
138	Reactive sulfur species (RSS): possible new players in the oxidative metabolism of plant peroxisomes. <i>Frontiers in Plant Science</i> , 2015 , 6, 116	6.2	18
137	Ripening of pepper (<i>Capsicum annuum</i>) fruit is characterized by an enhancement of protein tyrosine nitration. <i>Annals of Botany</i> , 2015 , 116, 637-47	4.1	117
136	Differential molecular response of monodehydroascorbate reductase and glutathione reductase by nitration and S-nitrosylation. <i>Journal of Experimental Botany</i> , 2015 , 66, 5983-96	7	122
135	Differential response of NADP-dehydrogenases and carbon metabolism in leaves and roots of two durum wheat (<i>Triticum durum</i> Desf.) cultivars (Karim and Azizi) with different sensitivities to salt stress. <i>Journal of Plant Physiology</i> , 2015 , 179, 56-63	3.6	37
134	Spatial and temporal regulation of the metabolism of reactive oxygen and nitrogen species during the early development of pepper (<i>Capsicum annuum</i>) seedlings. <i>Annals of Botany</i> , 2015 , 116, 679-93	4.1	39
133	Modulation of the Ascorbate-Glutathione Cycle Antioxidant Capacity by Posttranslational Modifications Mediated by Nitric Oxide in Abiotic Stress Situations 2015 , 305-320		1
132	Production Sites of Reactive Oxygen Species (ROS) in Organelles from Plant Cells 2015 , 1-22		16
131	Physiology of pepper fruit and the metabolism of antioxidants: chloroplasts, mitochondria and peroxisomes. <i>Annals of Botany</i> , 2015 , 116, 627-36	4.1	54
130	Peroxisomes: Dynamic shape-shifters. <i>Nature Plants</i> , 2015 , 1, 15039	11.5	4
129	What is the role of hydrogen peroxide in plant peroxisomes?. <i>Plant Biology</i> , 2015 , 17, 1099-103	3.7	44
128	Functions of Nitric Oxide (NO) in Roots during Development and under Adverse Stress Conditions. <i>Plants</i> , 2015 , 4, 240-52	4.5	49
127	Transcriptomic profiling of linolenic acid-responsive genes in ROS signaling from RNA-seq data in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015 , 6, 122	6.2	27
126	Nitric oxide from a "green" perspective. <i>Nitric Oxide - Biology and Chemistry</i> , 2015 , 45, 15-9	5	48
125	Nitration and S-Nitrosylation: Two Post-translational Modifications (PTMs) Mediated by Reactive Nitrogen Species (RNS) and Their Role in Signalling Processes of Plant Cells. <i>Signaling and Communication in Plants</i> , 2015 , 267-281	1	6
124	Peroxynitrite (ONOO-) is endogenously produced in arabidopsis peroxisomes and is overproduced under cadmium stress. <i>Annals of Botany</i> , 2014 , 113, 87-96	4.1	103
123	Redox and nitric oxide homeostasis are affected in tomato (<i>Solanum lycopersicum</i>) roots under salinity-induced oxidative stress. <i>Journal of Plant Physiology</i> , 2014 , 171, 1028-35	3.6	80

122	Peroxisomal plant nitric oxide synthase (NOS) protein is imported by peroxisomal targeting signal type 2 (PTS2) in a process that depends on the cytosolic receptor PEX7 and calmodulin. <i>FEBS Letters</i> , 2014 , 588, 2049-54	3.8	38
121	Exogenous nitric oxide (NO) ameliorates salinity-induced oxidative stress in tomato (<i>Solanum lycopersicum</i>) plants. <i>Journal of Soil Science and Plant Nutrition</i> , 2014 , 0-0	3.2	21
120	NADPH-generating dehydrogenases: their role in the mechanism of protection against nitro-oxidative stress induced by adverse environmental conditions. <i>Frontiers in Environmental Science</i> , 2014 , 2,	4.8	58
119	Dual regulation of cytosolic ascorbate peroxidase (APX) by tyrosine nitration and S-nitrosylation. <i>Journal of Experimental Botany</i> , 2014 , 65, 527-38	7	230
118	Functional implications of peroxisomal nitric oxide (NO) in plants. <i>Frontiers in Plant Science</i> , 2014 , 5, 97	6.2	21
117	Addition of bottom ash from biomass in calcium silicate masonry units for use as construction material with thermal insulating properties. <i>Construction and Building Materials</i> , 2014 , 52, 155-165	6.7	36
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