Juan B Barroso

List of Publications by Year
in descending order

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152 papers	13,097 citations	18482 62 h-index	23533 111 g-index
154 all docs	154 docs citations	154 times ranked	7490 citing authors

#	Article	IF	Citations
1	Nitric oxideâ€releasing nanomaterials: from basic research to potential biotechnological applications in agriculture. New Phytologist, 2022, 234, 1119-1125.	7.3	21
2	Nitro-Oleic Acid-Mediated Nitroalkylation Modulates the Antioxidant Function of Cytosolic Peroxiredoxin Tsa1 during Heat Stress in Saccharomyces cerevisiae. Antioxidants, 2022, 11, 972.	5.1	3
3	Role of electrophilic nitrated fatty acids during development and response to abiotic stress processes in plants. Journal of Experimental Botany, 2021, 72, 917-927.	4.8	11
4	Editorial: Nitric Oxide in Plants. Frontiers in Plant Science, 2021, 12, 705157.	3.6	6
5	New Insights into the Functional Role of Nitric Oxide and Reactive Oxygen Species in Plant Response to Biotic and Abiotic Stress Conditions. Plant in Challenging Environments, 2021, , 215-235.	0.4	1
6	Altered Plant and Nodule Development and Protein S-Nitrosylation in Lotus japonicus Mutants Deficient in S-Nitrosoglutathione Reductases. Plant and Cell Physiology, 2020, 61, 105-117.	3.1	25
7	Recommendations on terminology and experimental best practice associated with plant nitric oxide research. New Phytologist, 2020, 225, 1828-1834.	7.3	56
8	Differential modulation of S-nitrosoglutathione reductase and reactive nitrogen species in wild and cultivated tomato genotypes during development and powdery mildew infection. Plant Physiology and Biochemistry, 2020, 155, 297-310.	5.8	6
9	Gene Expression Pattern in Olive Tree Organs (Olea europaea L.). Genes, 2020, 11, 544.	2.4	14
10	Nitric oxide under abiotic stress conditions. , 2020, , 735-754.		6
11	Role of nitric oxideâ€“dependent posttranslational modifications of proteins under abiotic stress. , 2020, , 793-809.		2
12	Transposon activation is a major driver in the genome evolution of cultivated olive trees (<i>Olea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	54
13	Oxidative Stress in Plants. Antioxidants, 2020, 9, 481.	5.1	54
14	Endogenous Biosynthesis of S-Nitrosoglutathione From Nitro-Fatty Acids in Plants. Frontiers in Plant Science, 2020, 11, 962.	3.6	13
15	Regulating the regulator: nitric oxide control of postâ€translational modifications. New Phytologist, 2020, 227, 1319-1325.	7.3	91
16	Drought stress triggers the accumulation of NO and SNOs in cortical cells of Lotus japonicus L. roots and the nitration of proteins with relevant metabolic function. Environmental and Experimental Botany, 2019, 161, 228-241.	4.2	21
17	Short-Term Low Temperature Induces Nitro-Oxidative Stress that Deregulates the NADP-Malic Enzyme Function by Tyrosine Nitration in Arabidopsis thaliana. Antioxidants, 2019, 8, 448.	5.1	19
18	A forty year journey: The generation and roles of NO in plants. Nitric Oxide - Biology and Chemistry, 2019, 93, 53-70.	2.7	209

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19	Hydrogen sulfide: A novel component in <i>Arabidopsis</i> peroxisomes which triggers catalase inhibition. Journal of Integrative Plant Biology, 2019, 61, 871-883.	8.5	108
20	The function of S-nitrosothiols during abiotic stress in plants. Journal of Experimental Botany, 2019, 70, 4429-4439.	4.8	37
21	Transcriptional Regulation of Gene Expression Related to Hydrogen Peroxide (H2O2) and Nitric Oxide (NO). , 2019, , 69-90.		4
22	Post-Translational Modification of Proteins Mediated by Nitro-Fatty Acids in Plants: Nitroalkylation. Plants, 2019, 8, 82.	3.5	33
23	The Transcriptome of Verticillium dahliae Responds Differentially Depending on the Disease Susceptibility Level of the Olive (Olea europaea L.) Cultivar. Genes, 2019, 10, 251.	2.4	34
24	Calmodulin (CaM) antagonist affects peroxisomal functionality by disrupting both peroxisomal Ca2+ and protein import. Journal of Cell Science, 2018, 131, .	2.0	15
25	Peroxisomal plant metabolism â€“ an update on nitric oxide, Ca2+ and the NADPH recycling network. Journal of Cell Science, 2018, 131, .	2.0	41
26	Nitric oxide buffering and conditional nitric oxide release in stress response. Journal of Experimental Botany, 2018, 69, 3425-3438.	4.8	107
27	Identification of Tyrosine and Nitrotyrosine with a Mixed-Mode Solid-Phase Extraction Cleanup Followed by Liquid Chromatographyâ€“Electrospray Time-of-Flight Mass Spectrometry in Plants. Methods in Molecular Biology, 2018, 1747, 161-169.	0.9	1
28	Nitro-Fatty Acid Detection in Plants by High-Pressure Liquid Chromatography Coupled to Triple Quadrupole Mass Spectrometry. Methods in Molecular Biology, 2018, 1747, 231-239.	0.9	8
29	Biological properties of nitro-fatty acids in plants. Nitric Oxide - Biology and Chemistry, 2018, 78, 176-179.	2.7	16
30	Tolerance of olive (<i>Olea europaea</i>) cv Frantoio to <i>Verticillium dahliae</i> relies on both basal and pathogenâ€induced differential transcriptomic responses. New Phytologist, 2018, 217, 671-686.	7.3	56
31	InÂvitro nitro-fatty acid release from Cys-NO2-fatty acid adducts under nitro-oxidative conditions. Nitric Oxide - Biology and Chemistry, 2017, 68, 14-22.	2.7	21
32	Nitro-fatty acids in plant signaling: New key mediators of nitric oxide metabolism. Redox Biology, 2017, 11, 554-561.	9.0	77
33	Immunological evidence for the presence of peroxiredoxin in pea leaf peroxisomes and response to oxidative stress conditions. Acta Physiologiae Plantarum, 2017, 39, 1.	2.1	11
34	Lead-induced stress, which triggers the production of nitric oxide (NO) and superoxide anion (O2Â·-) in Arabidopsis peroxisomes, affects catalase activity. Nitric Oxide - Biology and Chemistry, 2017, 68, 103-110.	2.7	93
35	Plant peroxisomes: A nitro-oxidative cocktail. Redox Biology, 2017, 11, 535-542.	9.0	150
36	Transcriptomic Analysis of Olea europaea L. Roots during the Verticillium dahliae Early Infection Process. Plant Genome, 2017, 10, plantgenome2016.07.0060.	2.8	33

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37	Nitric oxide synthase-like activity in higher plants. Nitric Oxide - Biology and Chemistry, 2017, 68, 5-6.	2.7	100
38	Antioxidant Systems are Regulated by Nitric Oxide-Mediated Post-translational Modifications (NO-PTMs). Frontiers in Plant Science, 2016, 7, 152.	3.6	150
39	Protein Tyrosine Nitration during Development and Abiotic Stress Response in Plants. Frontiers in Plant Science, 2016, 7, 1699.	3.6	52
40	A dual system formed by the ARC and NR molybdoenzymes mediates nitriteâ€dependent NO production in <i>Chlamydomonas</i>. Plant, Cell and Environment, 2016, 39, 2097-2107.	5.7	130
41	Quantification and Localization of S-Nitrosothiols (SNOs) in Higher Plants. Methods in Molecular Biology, 2016, 1424, 139-147.	0.9	4
42	Nitro-linolenic acid is a nitric oxide donor. Nitric Oxide - Biology and Chemistry, 2016, 57, 57-63.	2.7	51
43	Nitric Oxide Emission and Uptake from Higher Plants. Signaling and Communication in Plants, 2016, , 79-93.	0.7	5
44	Peroxisomal NADP-isocitrate dehydrogenase is required for Arabidopsis stomatal movement. Protoplasma, 2016, 253, 403-415.	2.1	44
45	Fate of Trichoderma harzianum in the olive rhizosphere: time course of the root colonization process and interaction with the fungal pathogen Verticillium dahliae. BioControl, 2016, 61, 269-282.	2.0	56
46	Functional Implications of S-Nitrosothiols under Nitrooxidative Stress Induced by Abiotic Conditions. Advances in Botanical Research, 2016, , 79-96.	1.1	5
47	Nitro-Fatty Acids in Plant Signaling: Nitro-Linolenic Acid Induces the Molecular Chaperone Network in Arabidopsis. Plant Physiology, 2016, 170, 686-701.	4.8	116
48	Nitric oxide release from nitro-fatty acids in Arabidopsis roots. Plant Signaling and Behavior, 2016, 11, e1154255.	2.4	22
49	Transcriptomic Analyses on the Role of Nitric Oxide in Plant Disease Resistance. Current Issues in Molecular Biology, 2016, 19, 121-8.	2.4	5
50	Functions of Nitric Oxide (NO) in Roots during Development and under Adverse Stress Conditions. Plants, 2015, 4, 240-252.	3.5	62
51	Transcriptomic profiling of linolenic acid-responsive genes in ROS signaling from RNA-seq data in Arabidopsis. Frontiers in Plant Science, 2015, 6, 122.	3.6	51
52	Nitric oxide from a â€œgreenâ€• perspective. Nitric Oxide - Biology and Chemistry, 2015, 45, 15-19.	2.7	59
53	Reactive sulfur species (RSS): possible new players in the oxidative metabolism of plant peroxisomes. Frontiers in Plant Science, 2015, 6, 116.	3.6	30
54	Ripening of pepper (<i>Capsicum annuum</i>) fruit is characterized by an enhancement of protein tyrosine nitration. Annals of Botany, 2015, 116, 637-647.	2.9	141

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55	Differential molecular response of monodehydroascorbate reductase and glutathione reductase by nitration and<i>S</i>-nitrosylation. Journal of Experimental Botany, 2015, 66, 5983-5996.	4.8	153
56	Spatial and temporal regulation of the metabolism of reactive oxygen and nitrogen species during the early development of pepper (<i>Capsicum annuum</i>) seedlings. Annals of Botany, 2015, 116, 679-693.	2.9	46
57	Early and delayed long-term transcriptional changes and short-term transient responses during cold acclimation in olive leaves. DNA Research, 2015, 22, 1-11.	3.4	67
58	Transcriptional analysis of adult cutting and juvenile seedling olive roots. Tree Genetics and Genomes, 2015, 11, 1.	1.6	7
59	Nitration and S-Nitrosylation: Two Post-translational Modifications (PTMs) Mediated by Reactive Nitrogen Species (RNS) and Their Role in Signalling Processes of Plant Cells. Signaling and Communication in Plants, 2015, , 267-281.	0.7	17
60	Olives and Olive Oil Are Sources of Electrophilic Fatty Acid Nitroalkenes. PLoS ONE, 2014, 9, e84884.	2.5	102
61	NADPH-generating dehydrogenases: their role in the mechanism of protection against nitro-oxidative stress induced by adverse environmental conditions. Frontiers in Environmental Science, 2014, 2, .	3.3	71
62	Dual regulation of cytosolic ascorbate peroxidase (APX) by tyrosine nitration and<i>S</i>-nitrosylation. Journal of Experimental Botany, 2014, 65, 527-538.	4.8	294
63	Functional implications of peroxisomal nitric oxide (NO) in plants. Frontiers in Plant Science, 2014, 5, 97.	3.6	22
64	Differential Transcriptomic Analysis by RNA-Seq of GSNO-Responsive Genes Between Arabidopsis Roots and Leaves. Plant and Cell Physiology, 2014, 55, 1080-1095.	3.1	124
65	Genetic changes involved in the juvenile-to-adult transition in the shoot apex of Olea europaea L. occur years before the first flowering. Tree Genetics and Genomes, 2014, 10, 585.	1.6	20
66	Peroxynitrite (ONOOâˆ’) is endogenously produced in arabidopsis peroxisomes and is overproduced under cadmium stress. Annals of Botany, 2014, 113, 87-96.	2.9	130
67	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. FEBS Letters, 2014, 588, 2049-2054.	2.8	45
68	Function of Peroxisomes as a Cellular Source of Nitric Oxide and Other Reactive Nitrogen Species. , 2014, , 33-55.		5
69	Structural and functional characterization of a plant S-nitrosoglutathione reductase from Solanum lycopersicum. Biochimie, 2013, 95, 889-902.	2.6	76
70	Peroxisomes as Cell Generators of Reactive Nitrogen Species (RNS) Signal Molecules. Sub-Cellular Biochemistry, 2013, 69, 283-298.	2.4	11
71	Vinyl sulfone silica: application of an open preactivated support to the study of transnitrosylation of plant proteins by S-nitrosoglutathione. BMC Plant Biology, 2013, 13, 61.	3.6	39
72	Inhibition of peroxisomal hydroxypyruvate reductase (HPR1) by tyrosine nitration. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4981-4989.	2.4	62

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73	Immunolocalization of S-nitrosoglutathione, S-nitrosoglutathione reductase and tyrosine nitration in pea leaf organelles. Acta Physiologiae Plantarum, 2013, 35, 2635-2640.	2.1	44
74	Nitroâ€oxidative stress vs oxidative or nitrosative stress in higher plants. New Phytologist, 2013, 199, 633-635.	7.3	154
75	Hypothesis: Nitro-fatty acids play a role in plant metabolism. Plant Science, 2013, 199-200, 1-6.	3.6	37
76	Arsenate and arsenite exposure modulate antioxidants and amino acids in contrasting arsenic accumulating rice (Oryza sativa L.) genotypes. Journal of Hazardous Materials, 2013, 262, 1123-1131.	12.4	102
77	Tyrosine nitration provokes inhibition of sunflower carbonic anhydrase (Î^{2}-CA) activity under high temperature stress. Nitric Oxide - Biology and Chemistry, 2013, 29, 30-33.	2.7	80
78	Water stress induces a differential and spatially distributed nitro-oxidative stress response in roots and leaves of Lotus japonicus. Plant Science, 2013, 201-202, 137-146.	3.6	118
79	Arsenite Tolerance is Related to Proportional Thiolic Metabolite Synthesis in Rice (Oryza sativa L.). Archives of Environmental Contamination and Toxicology, 2013, 64, 235-242.	4.1	61
80	Protein tyrosine nitration in pea roots during development and senescence. Journal of Experimental Botany, 2013, 64, 1121-1134.	4.8	171
81	Current overview of S-nitrosoglutathione (GSNO) in higher plants. Frontiers in Plant Science, 2013, 4, 126.	3.6	154
82	Protein tyrosine nitration in higher plants grown under natural and stress conditions. Frontiers in Plant Science, 2013, 4, 29.	3.6	108
83	Function of Nitric Oxide Under Environmental Stress Conditions. , 2012, , 99-113.		19
84	NADP-Dependent Isocitrate Dehydrogenase from<i>Arabidopsis</i>Roots Contributes in the Mechanism of Defence against the Nitro-Oxidative Stress Induced by Salinity. Scientific World Journal, The, 2012, 2012, 1-9.	2.1	51
85	Determination of nitrotyrosine in Arabidopsis thaliana cell cultures with a mixed-mode solid-phase extraction cleanup followed by liquid chromatography time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 1495-1503.	3.7	9
86	Cytosolic NADP-isocitrate dehydrogenase in Arabidopsis leaves and roots. Biologia Plantarum, 2012, 56, 705-710.	1.9	26
87	Metabolism of reactive oxygen species and reactive nitrogen species in pepper (<i>Capsicum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	5.7	304
88	Arsenic triggers the nitric oxide (NO) and S-nitrosoglutathione (GSNO) metabolism in Arabidopsis. Environmental Pollution, 2012, 166, 136-143.	7.5	186
89	Detection and Quantification of S-Nitrosoglutathione (GSNO) in Pepper (Capsicum annuum L.) Plant Organs by LC-ES/MS. Plant and Cell Physiology, 2011, 52, 2006-2015.	3.1	107
90	Function of S-nitrosoglutathione reductase (GSNOR) in plant development and under biotic/abiotic stress. Plant Signaling and Behavior, 2011, 6, 789-793.	2.4	144

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91	Functional analysis of superoxide dismutases (SODs) in sunflower under biotic and abiotic stress conditions. Identification of two new genes of mitochondrial Mn-SOD. Journal of Plant Physiology, 2011, 168, 1303-1308.	3.5	59
92	Nitric oxide content is associated with tolerance to bicarbonate-induced chlorosis in micropropagated Prunus explants. Journal of Plant Physiology, 2011, 168, 1543-1549.	3.5	20
93	Nitric oxide imbalance provokes a nitrosative response in plants under abiotic stress. Plant Science, 2011, 181, 604-611.	3.6	273
94	High temperature triggers the metabolism of <i>S</i>â€nitrosothiols in sunflower mediating a process of nitrosative stress which provokes the inhibition of ferredoxinâ€“NADP reductase by tyrosine nitration. Plant, Cell and Environment, 2011, 34, 1803-1818.	5.7	145
95	Root Hairs Play a Key Role in the Endophytic Colonization of Olive Roots by Pseudomonas spp. with Biocontrol Activity. Microbial Ecology, 2011, 62, 435-445.	2.8	142
96	Mechanical wounding induces a nitrosative stress by down-regulation of GSNO reductase and an increase in S-nitrosothiols in sunflower (Helianthus annuus) seedlings. Journal of Experimental Botany, 2011, 62, 1803-1813.	4.8	157
97	Identification of a gene involved in the juvenile-to-adult transition (JAT) in cultivated olive trees. Tree Genetics and Genomes, 2010, 6, 891-903.	1.6	24
98	Mitochondrial 1-Cys-peroxiredoxin/thioredoxin system protects manganese-containing superoxide dismutase (Mn-SOD) against inactivation by peroxynitrite in Saccharomyces cerevisiae. Nitric Oxide - Biology and Chemistry, 2010, 23, 206-213.	2.7	13
99	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflower-Mildew Interaction. Plant and Cell Physiology, 2009, 50, 665-679.	3.1	16
100	Involvement of Reactive Nitrogen and Oxygen Species (RNS and ROS) in Sunflowerâ€“Mildew Interaction. Plant and Cell Physiology, 2009, 50, 265-279.	3.1	168
101	Peroxisomes Are Required for in Vivo Nitric Oxide Accumulation in the Cytosol following Salinity Stress of Arabidopsis Plants. Plant Physiology, 2009, 151, 2083-2094.	4.8	163
102	Protein tyrosine nitration. Plant Signaling and Behavior, 2009, 4, 920-923.	2.4	90
103	Protein targets of tyrosine nitration in sunflower (Helianthus annuus L.) hypocotyls. Journal of Experimental Botany, 2009, 60, 4221-4234.	4.8	180
104	Evidence supporting the existence of <scp>l</scp>â€arginineâ€dependent nitric oxide synthase activity in plants. New Phytologist, 2009, 184, 9-14.	7.3	228
105	Serine dehydratase and tyrosine aminotransferase activities increased by longâ€term starvation and recovery by refeeding in rainbow trout (<i>Oncorhynchus mykiss</i>). Journal of Experimental Zoology, 2008, 309A, 25-34.	1.2	3
106	Localization of Sâ€Nitrosothiols and Assay of Nitric Oxide Synthase and Sâ€Nitrosoglutathione Reductase Activity in Plants. Methods in Enzymology, 2008, 437, 561-574.	1.0	28
107	Peroxisomal xanthine oxidoreductase: Characterization of the enzyme from pea (Pisum sativum L.) leaves. Journal of Plant Physiology, 2008, 165, 1319-1330.	3.5	111
108	Metabolism of Reactive Nitrogen Species in Pea Plants Under Abiotic Stress Conditions. Plant and Cell Physiology, 2008, 49, 1711-1722.	3.1	287

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109	Post-translational modifications mediated by reactive nitrogen species. Plant Signaling and Behavior, 2008, 3, 301-303.	2.4	43
110	Need of biomarkers of nitrosative stress in plants. Trends in Plant Science, 2007, 12, 436-438.	8.8	104
111	Nitrosative stress in plants. FEBS Letters, 2007, 581, 453-461.	2.8	309
112	Reactive Oxygen Species and Reactive Nitrogen Species in Peroxisomes. Production, Scavenging, and Role in Cell Signaling. Plant Physiology, 2006, 141, 330-335.	4.8	530
113	Nitrosative Stress in Plants: AÂNew Approach to Understand the Role of NO in Abiotic Stress. Plant Cell Monographs, 2006, , 187-205.	0.4	9
114	Localization of S-nitrosoglutathione and expression of S-nitrosoglutathione reductase in pea plants under cadmium stress. Journal of Experimental Botany, 2006, 57, 1785-1793.	4.8	233
115	The dehydrogenase-mediated recycling of NADPH is a key antioxidant system against salt-induced oxidative stress in olive plants. Plant, Cell and Environment, 2006, 29, 1449-1459.	5.7	228
116	Constitutive arginine-dependent nitric oxide synthase activity in different organs of pea seedlings during plant development. Planta, 2006, 224, 246-254.	3.2	277
117	Downregulation in the expression of the serine dehydratase in the rat liver during chronic metabolic acidosis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1295-R1302.	1.8	11
118	The Expression of Different Superoxide Dismutase Forms is Cell-type Dependent in Olive (Olea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	3.1	97
119	Serine dehydratase expression decreases in rat livers injured by chronic thioacetamide ingestion. Molecular and Cellular Biochemistry, 2005, 268, 33-43.	3.1	11
120	Peroxisomal Monodehydroascorbate Reductase. Genomic Clone Characterization and Functional Analysis under Environmental Stress Conditions. Plant Physiology, 2005, 138, 2111-2123.	4.8	134
121	Cellular and Subcellular Localization of Endogenous Nitric Oxide in Young and Senescent Pea Plants. Plant Physiology, 2004, 136, 2722-2733.	4.8	360
122	Enzymatic sources of nitric oxide in plant cells â€“ beyond one proteinâ€“one function. New Phytologist, 2004, 162, 246-248.	7.3	49
123	Nitric oxide and nitric oxide synthase activity in plants. Phytochemistry, 2004, 65, 783-792.	2.9	317
124	Plant Peroxisomes, Reactive Oxygen Metabolism and Nitric Oxide. IUBMB Life, 2003, 55, 71-81.	3.4	105
125	Plant Peroxisomes, Reactive Oxygen Metabolism and Nitric Oxide. IUBMB Life, 2003, 55, 71-81.	3.4	49
126	Reactive oxygen species, antioxidant systems and nitric oxide in peroxisomes. Journal of Experimental Botany, 2002, 53, 1255-1272.	4.8	354

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127	Reactive oxygen species, antioxidant systems and nitric oxide in peroxisomes. Journal of Experimental Botany, 2002, 53, 1255-1272.	4.8	246
128	Reactive oxygen species, antioxidant systems and nitric oxide in peroxisomes. Journal of Experimental Botany, 2002, 53, 1255-72.	4.8	84
129	Immunohistochemical localisation of neuronal nitric oxide synthase in the rainbow trout kidney. Journal of Chemical Neuroanatomy, 2001, 21, 289-294.	2.1	19
130	Carbohydrate deprivation reduces NADPH-production in fish liver but not in adipose tissue. International Journal of Biochemistry and Cell Biology, 2001, 33, 785-796.	2.8	23
131	Growth, protein-turnover rates and nucleic-acid concentrations in the white muscle of rainbow trout during development. International Journal of Biochemistry and Cell Biology, 2001, 33, 1227-1238.	2.8	37
132	Peroxisomes as a source of reactive oxygen species and nitric oxide signal molecules in plant cells. Trends in Plant Science, 2001, 6, 145-150.	8.8	462
133	Dietary alterations in protein, carbohydrates and fat increase liver protein-turnover rate and decrease overall growth rate in the rainbow trout (Oncorhynchus mykiss). Molecular and Cellular Biochemistry, 2000, 209, 97-104.	3.1	24
134	Molecular and kinetic characterization and cell type location of inducible nitric oxide synthase in fish. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R650-R656.	1.8	28
135	Localization of Nitric-oxide Synthase in Plant Peroxisomes. Journal of Biological Chemistry, 1999, 274, 36729-36733.	3.4	324
136	Peroxisomal NADP-Dependent Isocitrate Dehydrogenase. Characterization and Activity Regulation during Natural Senescence. Plant Physiology, 1999, 121, 921-928.	4.8	128
137	Selective changes in the protein-turnover rates and nature of growth induced in trout liver by long-term starvation followed by re-feeding. Molecular and Cellular Biochemistry, 1999, 201, 1-10.	3.1	34
138	Variations in the kinetic behaviour of the NADPH-production systems in different tissues of the trout when fed on an amino-acid-based diet at different frequencies1Publication No. 184 from the `Drugs, Environmental Toxics and Cellular Metabolism Research Group', Department of Biochemistry and Molecular Biology, Centre of Biological Sciences, University of Granada, Granada, Spain.1. International Journal of Biochemistry and Cell Biology, 1999, 31, 277-290.	2.8	62
139	Kinetic behavior and protein expression of hepatic NADPH-production systems during development of rainbow trout (Oncorhynchus mykiss). Aquaculture, 1999, 179, 375-385.	3.5	8
140	Carbohydrates affect protein-turnover rates, growth, and nucleic acid content in the white muscle of rainbow trout (Oncorhynchus mykiss). Aquaculture, 1999, 179, 425-437.	3.5	63
141	Purification of Catalase from Pea Leaf Peroxisomes: Identification of Five Different Isoforms. Free Radical Research, 1999, 31, 235-241.	3.3	72
142	Neuronal and inducible nitric oxide synthase and nitrotyrosine immunoreactivities in the cerebral cortex of the aging rat. , 1998, 43, 75-88.		115
143	High hydrostatic pressure (101 ATA) changes the metabolic design of yellow freshwater eel muscle. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 195-200.	1.6	18
144	Relationship between growth and protein turnover rates and nucleic acids in the liver of rainbow trout (<i>Oncorhynchus mykiss</i>) during development. Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 649-657.	1.4	40

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145	A dehydrogenase-mediated recycling system of NADPH in plant peroxisomes. Biochemical Journal, 1998, 330, 777-784.	3.7	157
146	Impact of starvation-refeeding on kinetics and protein expression of trout liver NADPH-production systems. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R1578-R1587.	1.8	26
147	Kinetic properties of hexose-monophosphate dehydrogenases. II. Isolation and partial purification of 6-phosphogluconate dehydrogenase from rat liver and kidney cortex. Molecular and Cellular Biochemistry, 1995, 144, 97-104.	3.1	15
148	Dietary protein effects on growth and fractional protein synthesis and degradation rates in liver and white muscle of rainbow trout (Oncorhynchus mykiss). Aquaculture, 1994, 124, 35-46.	3.5	29
149	The influence of dietary protein on the kinetics of NADPH production systems in various tissues of rainbow trout (Oncorhynchus mykiss). Aquaculture, 1994, 124, 47-59.	3.5	28
150	Alterations in the fractional protein turnover rates in rainbowâ€trout liver and white muscle caused by an Aminoacidâ€based diet and changes in the feeding frequency¹. Toxicological and Environmental Chemistry, 1992, 36, 217-224.	1.2	14
151	The influence of lipogenic and lipolytic conditions on the pentose phosphate pathway dehydrogenases in rat-kidney-cortex. Archives Internationales De Physiologie Et De Biochimie, 1990, 98, 283-289.	0.2	2
152	The innervation of rainbow trout (Oncorhynchus mykiss) liver: protein gene product 9.5 and neuronal nitric oxide synthase immunoreactivities. , 0, .		2