Yoshiyuki Murata

List of Publications by Year
in descending order

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218 papers	13,782 citations	24978 57 h-index	24179 110 g-index
222 all docs	222 docs citations	222 times ranked	10982 citing authors

#	Article	IF	Citations
1	Oxalic Acid Mitigates Cadmium Toxicity in Cicer arietinum L. Germinating Seeds by Maintaining the Cellular Redox Homeostasis. Journal of Plant Growth Regulation, 2022, 41, 697-709.	2.8	17
2	A Major Intestinal Catabolite of Quercetin Glycosides, 3-Hydroxyphenylacetic Acid, Protects the Hepatocytes from the Acetaldehyde-Induced Cytotoxicity through the Enhancement of the Total Aldehyde Dehydrogenase Activity. International Journal of Molecular Sciences, 2022, 23, 1762.	1.8	14
3	Alleviation of Salt-Inhibited Germination and Seedling Growth of Kidney Bean by Seed Priming and Exogenous Application of Salicylic Acid (SA) and Hydrogen Peroxide (H2O2). Seeds, 2022, 1, 87-98.	0.7	12
4	Green Tea Catechins, (â^')â€Catechin Gallate, and (â^')â€Gallocatechin Gallate are Potent Inhibitors ofÂABAâ€Induced Stomatal Closure. Advanced Science, 2022, 9, e2201403.	5.6	4
5	ELEVATION OF CYTOSOLIC CALCIUM IN GUARD CELLS. Journal of Environmental Science for Sustainable Society, 2021, 10, MR02_p5-MR02_p8.	0.1	0
6	Calcium and ethylene glycol tetraacetic acid mitigate toxicity and alteration of gene expression associated with cadmium stress in chickpea (Cicer arietinum L.) shoots. Protoplasma, 2021, 258, 849-861.	1.0	23
7	5-aminolevulinic acid-mediated plant adaptive responses to abiotic stress. Plant Cell Reports, 2021, 40, 1451-1469.	2.8	35
8	A multidrug resistanceâ€associated protein inhibitor is a potential enhancer of the benzyl isothiocyanateâ€induced apoptosis induction in human colorectal cancer cells. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22791.	1.4	1
9	Modulation of frequency and height of cytosolic calcium spikes by plasma membrane anion channels in guard cells. Bioscience, Biotechnology and Biochemistry, 2021, 85, 2003-2010.	0.6	1
10	Cadmium uptake via apoplastic bypass flow in Oryza sativa. Journal of Plant Research, 2021, 134, 1139-1148.	1.2	7
11	White rice ethanol extract is qualitatively, but not quantitatively, equivalent to that of brown rice as an antioxidant source. Bioscience, Biotechnology and Biochemistry, 2021, 85, 2161-2168.	0.6	4
12	Screening of rice genotypes for salt tolerance by physiological and biochemical characters. Plant Science Today, 2021, 8, .	0.4	7
13	Citric Acid-Mediated Abiotic Stress Tolerance in Plants. International Journal of Molecular Sciences, 2021, 22, 7235.	1.8	85
14	Seed Priming with Phytohormones: An Effective Approach for the Mitigation of Abiotic Stress. Plants, 2021, 10, 37.	1.6	139
15	Neither glutamate nor alanine but arginine sensitizes BY-2 cells to arsenate. Bioscience, Biotechnology and Biochemistry, 2021, , .	0.6	0
16	SEED PRIMING AND EXOGENOUS APPLICATION OF SALICYLIC ACID ENHANCE GROWTH AND PRODUCTIVITY OF OKRA (Abelmoschus esculentus L.) BY REGULATING PHOTOSYNTHETIC ATTRIBUTES. Journal of Experimental Biology and Agricultural Sciences, 2021, 9, 759-769.	0.1	5
17	Exogenous Glutathione-Mediated Drought Stress Tolerance in Rice (Oryza sativa L.) is Associated with Lower Oxidative Damage and Favorable Ionic Homeostasis. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 955-971.	0.7	39
18	Stomatal immunity against fungal invasion comprises not only chitin-induced stomatal closure but also chitosan-induced guard cell death. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20932-20942.	3.3	43

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19	Exogenous proline enhances antioxidant enzyme activities but does not mitigate growth inhibition by selenate stress in tobacco BY-2 cells. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2281-2292.	0.6	11
20	Stomatal response to isothiocyanates inArabidopsis thaliana. Journal of Experimental Botany, 2020, 71, 6921-6931.	2.4	5
21	Reactive Carbonyl Species Mediate Methyl Jasmonate-Induced Stomatal Closure. Plant and Cell Physiology, 2020, 61, 1788-1797.	1.5	21
22	The Myrosinases TGG1 and TGG2 Function Redundantly in Reactive Carbonyl Species Signaling in Arabidopsis Guard Cells. Plant and Cell Physiology, 2020, 61, 967-977.	1.5	13
23	Interaction of intracellular hydrogen peroxide accumulation with nitric oxide production in abscisic acid signaling in guard cells. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1418-1426.	0.6	4
24	Inhibition of light-induced stomatal opening by allyl isothiocyanate does not require guard cell cytosolic Ca2+ signaling. Journal of Experimental Botany, 2020, 71, 2922-2932.	2.4	14
25	Salicylic acid receptor NPR1 is involved in guard cell chitosan signaling. Bioscience, Biotechnology and Biochemistry, 2020, 84, 963-969.	0.6	8
26	Insights into nitric oxide-mediated water balance, antioxidant defence and mineral homeostasis in rice (Oryza sativa L.) under chilling stress. Nitric Oxide - Biology and Chemistry, 2020, 100-101, 7-16.	1.2	60
27	STRESS INDUCED FACTOR 2 Regulates Arabidopsis Stomatal Immunity through Phosphorylation of the Anion Channel SLAC1. Plant Cell, 2020, 32, 2216-2236.	3.1	28
28	The mechanism of SO₂â€induced stomatal closure differs from O₃ and CO₂ responses and is mediated by nonapoptotic cell death in guard cells. Plant, Cell and Environment, 2019, 42, 437-447.	2.8	12
29	Characterization of benzyl isothiocyanate extracted from mashed green papaya by distillation. Food Chemistry, 2019, 299, 125118.	4.2	13
30	Ethylene Inhibits Methyl Jasmonate-Induced Stomatal Closure by Modulating Guard Cell Slow-Type Anion Channel Activity via the OPEN STOMATA 1/SnRK2.6 Kinase-Independent Pathway in Arabidopsis. Plant and Cell Physiology, 2019, 60, 2263-2271.	1.5	28
31	Improving salinity tolerance in transplanted aman rice (Oryza sativa L.) by exogenous application of proline. Journal of the Bangladesh Agricultural University, 2019, 17, 194-199.	0.1	1
32	Yeast screening system reveals the inhibitory mechanism of cancer cell proliferation by benzyl isothiocyanate through down-regulation of Mis12. Scientific Reports, 2019, 9, 8866.	1.6	5
33	Reactive Carbonyl Species Function as Signal Mediators Downstream of H2O2 Production and Regulate [Ca2+]cyt Elevation in ABA Signal Pathway in Arabidopsis Guard Cells. Plant and Cell Physiology, 2019, 60, 1146-1159.	1.5	39
34	Differential Response of Sugar Beet to Long-Term Mild to Severe Salinity in a Soilâ€"Pot Culture. Agriculture (Switzerland), 2019, 9, 223.	1.4	61
35	Effects of calcium and EGTA on thiol homeostasis and defense-related enzymes in Cd-exposed chickpea roots. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	11
36	Nonredundant functions of Arabidopsis Lec<scp>RK</scp>â€V.2 and Lec<scp>RK</scp>â€<scp>VII</scp>.1 in controlling stomatal immunity and jasmonateâ€mediated stomatal closure. New Phytologist, 2018, 218, 253-268.	3.5	29

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37	Mechanism of Stomatal Closure in Plants Exposed to Drought and Cold Stress. Advances in Experimental Medicine and Biology, 2018, 1081, 215-232.	0.8	161
38	Benzyl isothiocyanate ameliorates lipid accumulation in 3T3-L1 preadipocytes during adipocyte differentiation. Bioscience, Biotechnology and Biochemistry, 2018, 82, 2130-2139.	0.6	5
39	Lycii fructus extract ameliorates hydrogen peroxide-induced cytotoxicity through indirect antioxidant action. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1812-1820.	0.6	12
40	Guard Cell Salicylic Acid Signaling Is Integrated into Abscisic Acid Signaling via the Ca²⁺/CPK-Dependent Pathway. Plant Physiology, 2018, 178, 441-450.	2.3	107
41	Benzyl isothiocyanate attenuates the hydrogen peroxideâ€induced interleukinâ€13 expression through glutathione Sâ€transferase P induction in T lymphocytic leukemia cells. Journal of Biochemical and Molecular Toxicology, 2018, 32, e22054.	1.4	4
42	Methylglyoxal induces inhibition of growth, accumulation of anthocyanin, and activation of glyoxalase I and II in Arabidopsis thaliana. Journal of Biochemical and Molecular Toxicology, 2017, 31, N/A.	1.4	16
43	Brassinosteroid Involvement in Arabidopsis thaliana Stomatal Opening. Plant and Cell Physiology, 2017, 58, 1048-1058.	1.5	27
44	Exogenous proline enhances the sensitivity of Tobacco BY-2 cells to arsenate. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1726-1731.	0.6	7
45	Chitosan signaling in guard cells requires endogenous salicylic acid. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1536-1541.	0.6	13
46	(â˜)-Epigallocatechin-3-gallate inhibits human angiotensin-converting enzyme activity through an autoxidation-dependent mechanism. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21932.	1.4	9
47	Antioxidant Defense Mechanisms of Salinity Tolerance in Rice Genotypes. Rice Science, 2017, 24, 155-162.	1.7	125
48	MPK9 and MPK12 function in SA-induced stomatal closure in Arabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1394-1400.	0.6	26
49	3,4-Dihydroxyphenylacetic acid is a potential aldehyde dehydrogenase inducer in murine hepatoma Hepa1c1c7 cells. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1978-1983.	0.6	19
50	Benzyl isothiocyanate ameliorates acetaldehyde-induced cytotoxicity by enhancing aldehyde dehydrogenase activity in murine hepatoma Hepa1c1c7 cells. Food and Chemical Toxicology, 2017, 108, 305-313.	1.8	17
51	Inhibition of phosphatidylinositide 3-kinase ameliorates antiproliferation by benzyl isothiocyanate in human colon cancer cells. Biochemical and Biophysical Research Communications, 2017, 491, 209-216.	1.0	39
52	Blue light and CO2 signals converge to regulate light-induced stomatal opening. Nature Communications, 2017, 8, 1284.	5.8	100
53	Editorial: Signal Transduction in Stomatal Guard Cells. Frontiers in Plant Science, 2017, 8, 114.	1.7	4
54	Microbe Associated Molecular Pattern Signaling in Guard Cells. Frontiers in Plant Science, 2016, 7, 583.	1.7	27

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55	Galloylated Catechins as Potent Inhibitors of Angiotensin Converting Enzyme. Food Science and Technology Research, 2016, 22, 847-851.	0.3	5
56	L-Met Activates Arabidopsis GLR Ca2+ Channels Upstream of ROS Production and Regulates Stomatal Movement. Cell Reports, 2016, 17, 2553-2561.	2.9	71
57	Involvement of OST1 Protein Kinase and PYR/PYL/RCAR Receptors in Methyl Jasmonate-Induced Stomatal Closure in Arabidopsis Guard Cells. Plant and Cell Physiology, 2016, 57, 1779-1790.	1.5	42
58	A novel tag-free probe for targeting molecules interacting with a flavonoid catabolite. Biochemistry and Biophysics Reports, 2016, 7, 240-245.	0.7	6
59	3,4-Dihydroxyphenylacetic acid is a predominant biologically-active catabolite of quercetin glycosides. Food Research International, 2016, 89, 716-723.	2.9	49
60	Calcium and EGTA Alleviate Cadmium Toxicity in Germinating Chickpea Seeds. Journal of Plant Growth Regulation, 2016, 35, 1064-1073.	2.8	30
61	Reactive Carbonyl Species Mediate ABA Signaling in Guard Cells. Plant and Cell Physiology, 2016, 57, 2552-2563.	1.5	42
62	OsHKT1;4-mediated Na+ transport in stems contributes to Na+ exclusion from leaf blades of rice at the reproductive growth stage upon salt stress. BMC Plant Biology, 2016, 16, 22.	1.6	168
63	GOLDEN 2-LIKE transcription factors for chloroplast development affect ozone tolerance through the regulation of stomatal movement. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4218-4223.	3.3	40
64	Effects of Postharvest Near Infrared Light Exposure on Transpiration, Stomatal Aperture, and Appearance in Several Vegetables. Horticultural Research (Japan), 2016, 15, 197-206.	0.1	2
65	Benzyl isothiocyanate inhibits IL-13 expression in human basophilic KU812 cells. Bioscience, Biotechnology and Biochemistry, 2015, 79, 159-163.	0.6	8
66	Inhibition by acrolein of light-induced stomatal opening through inhibition of inward-rectifying potassium channels in Arabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2015, 79, 59-62.	0.6	8
67	Diverse Stomatal Signaling and the Signal Integration Mechanism. Annual Review of Plant Biology, 2015, 66, 369-392.	8.6	321
68	Effect of postharvest short-term radiation of near infrared light on transpiration of lettuce leaf. Postharvest Biology and Technology, 2015, 108, 78-85.	2.9	11
69	Open Stomata 1 Kinase is Essential for Yeast Elicitor-Induced Stomatal Closure in Arabidopsis. Plant and Cell Physiology, 2015, 56, 1239-1248.	1.5	18
70	Allyl isothiocyanate induces stomatal closure in Vicia faba. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1737-1742.	0.6	23
71	Thiol modification by bioactivated polyphenols and its potential role in skin inflammation. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1067-1070.	0.6	6
72	Accumulation of endogenous salicylic acid confers drought tolerance toArabidopsis. Plant Signaling and Behavior, 2014, 9, e28085.	1.2	51

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73	Ascorbic Acid Synergistically Potentiates Phloxine Bâ€induced Photocytotoxicity in Human Acute Promyelocytic Leukemia Cells. Journal of Biochemical and Molecular Toxicology, 2014, 28, 167-173.	1.4	8
74	(â˜')â€Epigallocatechinâ€3â€Gallate Ameliorates Photodynamic Therapy Responses in an In Vitro T Lymphocyte Model. Phytotherapy Research, 2014, 28, 1486-1491.	2.8	12
75	Purification and partial characterisation of a cathepsin L-like proteinase from sea cucumber (Stichopus japonicus) and its tissue distribution in body wall. Food Chemistry, 2014, 158, 192-199.	4.2	52
76	Tea Catechins Inhibit Cell Proliferation Through Hydrogen Peroxide-Dependent and -Independent Pathways in Human T lymphocytic Leukemia Jurkat Cells. Food Science and Technology Research, 2014, 20, 1245-1249.	0.3	7
77	Extraction, structural characterization and antioxidant activity of polyhydroxylated 1,4-naphthoquinone pigments from spines of sea urchin Glyptocidaris crenularis and Strongylocentrotus intermedius. European Food Research and Technology, 2013, 237, 331-339.	1.6	21
78	Characterization of acetylcholinesterase from the gut of sea cucumber Stichopus japonicus. Fisheries Science, 2013, 79, 303-311.	0.7	6
79	Removal of heavy metals in aqueous solution using Antarctic krill chitosan/hydroxyapatite composite. Fibers and Polymers, 2013, 14, 1134-1140.	1.1	6
80	Effects of krill oil intake on plasma cholesterol and glucose levels in rats fed a highâ€cholesterol diet. Journal of the Science of Food and Agriculture, 2013, 93, 2669-2675.	1.7	23
81	Negative Regulation of Methyl Jasmonate-Induced Stomatal Closure by Glutathione in Arabidopsis. Journal of Plant Growth Regulation, 2013, 32, 208-215.	2.8	26
82	Endogenous abscisic acid is involved in methyl jasmonate-induced reactive oxygen species and nitric oxide production but not in cytosolic alkalization in Arabidopsis guard cells. Journal of Plant Physiology, 2013, 170, 1212-1215.	1.6	24
83	<scp>SIZ1</scp> deficiency causes reduced stomatal aperture and enhanced drought tolerance via controlling salicylic acidâ€induced accumulation of reactive oxygen species in <scp>A</scp>rabidopsis. Plant Journal, 2013, 73, 91-104.	2.8	238
84	Effect of matrix metalloproteinase on autolysis of sea cucumber Stichopus japonicus. Food Science and Biotechnology, 2013, 22, 1-3.	1.2	13
85	Lower Photostability of Capsanthin Dispersed in an Aqueous Solution. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1313-1316.	0.6	5
86	Difference in Abscisic Acid Perception Mechanisms between Closure Induction and Opening Inhibition of Stomata Â Â. Plant Physiology, 2013, 163, 600-610.	2.3	58
87	Calcium-Dependent Protein Kinase CPK6 Positively Functions in Induction by Yeast Elicitor of Stomatal Closure and Inhibition by Yeast Elicitor of Light-Induced Stomatal Opening in Arabidopsis Â. Plant Physiology, 2013, 163, 591-599.	2.3	57
88	Regulation of reactive oxygen species-mediated abscisic acid signaling in guard cells and drought tolerance by glutathione. Frontiers in Plant Science, 2013, 4, 472.	1.7	60
89	Glucosinolate Degradation Products, Isothiocyanates, Nitriles, and Thiocyanates, Induce Stomatal Closure Accompanied by Peroxidase-Mediated Reactive Oxygen Species Production inArabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2013, 77, 977-983.	0.6	73
90	Disarming the Jasmonate-Dependent Plant Defense Makes Nonhost Arabidopsis Plants Accessible to the American Serpentine Leafminer. Plant Physiology, 2013, 163, 1242-1253.	2.3	15

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91	bHLH Transcription Factors That Facilitate K ⁺ Uptake During Stomatal Opening Are Repressed by Abscisic Acid Through Phosphorylation. Science Signaling, 2013, 6, ra48.	1.6	97
92	Catalases CAT1 and CAT3 Are not Key Enzymes in Alleviating Gamma Irradiation-Induced DNA Damage, H₂O₂Accumulation, or Lipid Peroxidation inArabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1984-1987.	0.6	4
93	Neither Endogenous Abscisic Acid nor Endogenous Jasmonate Is Involved in Salicylic Acid-, Yeast Elicitor-, or Chitosan-Induced Stomatal Closure inArabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1111-1113.	0.6	25
94	Effects of Emulsifiers on the Photostability of Lycopene. Food Science and Technology Research, 2013, 19, 983-987.	0.3	3
95	FIA functions as an early signal component of abscisic acid signal cascade in Vicia faba guard cells. Journal of Experimental Botany, 2012, 63, 1357-1365.	2.4	20
96	Inhibitory Effects of Methylglyoxal on Light-Induced Stomatal Opening and Inward K⁺Channel Activity inArabidopsis. Bioscience, Biotechnology and Biochemistry, 2012, 76, 617-619.	0.6	37
97	Effects of Exogenous Proline and Glycinebetaine on the Salt Tolerance of Rice Cultivars. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1568-1570.	0.6	32
98	Î±-Tocopherol Sensitizes Human Leukemia HL-60 Cells to Apoptosis Induced by Benzyl Isothiocyanate. Bioscience, Biotechnology and Biochemistry, 2012, 76, 381-383.	0.6	5
99	Effect of Î³ Irradiation on the Fatty Acid Composition of Soybean and Soybean Oil. Bioscience, Biotechnology and Biochemistry, 2012, 76, 900-905.	0.6	12
100	MAP Kinases, MPK9 and MPK12, Regulate Chitosan-Induced Stomatal Closure. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1785-1787.	0.6	34
101	Mechanisms of the Selenium Tolerance of theArabidopsis thalianaKnockout Mutant of Sulfate Transporter SULTR1;2. Bioscience, Biotechnology and Biochemistry, 2012, 76, 993-998.	0.6	8
102	Cooperative Function of PLDÎ´ and PLDÎ±1 in Abscisic Acid-Induced Stomatal Closure in Arabidopsis Â Â. Plant Physiology, 2012, 159, 450-460.	2.3	135
103	Isolation and Characterization of Pepsin-Soluble Collagen from Abalone (Haliotis discus hannai) Gastropod Muscle Part II. Food Science and Technology Research, 2012, 18, 271-278.	0.3	4
104	Cytotoxicity of Benzyl Isothiocyanate in Normal Renal Proximal Tubular Cells and Its Modulation by Glutathione. Journal of Agricultural and Food Chemistry, 2012, 60, 1887-1892.	2.4	6
105	Effects of Depletion of Glutathione on Abscisic Acid- and Methyl Jasmonate-Induced Stomatal Closure inArabidopsis thaliana. Bioscience, Biotechnology and Biochemistry, 2012, 76, 2032-2037.	0.6	24
106	Methylglyoxal-induced stomatal closure accompanied by peroxidase-mediated ROS production in Arabidopsis. Journal of Plant Physiology, 2012, 169, 979-986.	1.6	79
107	Catalases negatively regulate methyl jasmonate signaling in guard cells. Journal of Plant Physiology, 2012, 169, 1012-1016.	1.6	18
108	Involvement of intracellular oxidative stress-sensitive pathway in phloxine B-induced photocytotoxicity in human T lymphocytic leukemia cells. Food and Chemical Toxicology, 2012, 50, 1841-1847.	1.8	15

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109	Regulation of a Proteinaceous Elicitor-induced Ca2+ Influx and Production of Phytoalexins by a Putative Voltage-gated Cation Channel, OsTPC1, in Cultured Rice Cells. Journal of Biological Chemistry, 2012, 287, 9931-9939.	1.6	39
110	Optimisation of hydrolysis of purple sea urchin (Strongylocentrotus nudus) gonad by response surface methodology and evaluation of in vitro antioxidant activity of the hydrolysate. Journal of the Science of Food and Agriculture, 2012, 92, 1694-1701.	1.7	24
111	Methylglyoxal inhibition of cytosolic ascorbate peroxidase from Nicotiana tabacum. Journal of Biochemical and Molecular Toxicology, 2012, 26, 315-321.	1.4	43
112	EXTRACTION OF LIPID FROM ABALONE (HALIOTIS DISCUS HANNAI INO) GONAD BY SUPERCRITICAL CARBON DIOXIDE AND ENZYME-ASSISTED ORGANIC SOLVENT METHODS. Journal of Food Processing and Preservation, 2012, 36, 126-132.	0.9	18
113	In vitro antioxidant activity of enzymatic hydrolysates prepared from abalone (Haliotis discus hannai) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	82
114	Antioxidant activity of hydrolysates obtained from scallop (Patinopecten yessoensis) and abalone (Haliotis discus hannai Ino) muscle. Food Chemistry, 2012, 132, 815-822.	4.2	56
115	Stability of polyhydroxylated 1,4â€naphthoquinone pigment recovered from spines of sea urchin Strongylocentrotus nudus. International Journal of Food Science and Technology, 2012, 47, 1479-1486.	1.3	12
116	The Roles ofCATALASE2in Abscisic Acid Signaling inArabidopsisGuard Cells. Bioscience, Biotechnology and Biochemistry, 2011, 75, 2034-2036.	0.6	21
117	Photostability of Lycopene Dispersed in an Aqueous Solution. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1389-1391.	0.6	8
118	Hydogen peroxide-dependent photocytotoxicity by phloxine B, a xanthene-type food colorant. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 704-712.	1.1	16
119	Preparation and antioxidant activity of enzymatic hydrolysates from purple sea urchin (Strongylocentrotus nudus) gonad. LWT - Food Science and Technology, 2011, 44, 1113-1118.	2.5	70
120	K252a-sensitive protein kinases but not okadaic acid-sensitive protein phosphatases regulate methyl jasmonate-induced cytosolic Ca2+ oscillation in guard cells of Arabidopsis thaliana. Journal of Plant Physiology, 2011, 168, 1901-1908.	1.6	7
121	Roles of intracellular hydrogen peroxide accumulation in abscisic acid signaling in Arabidopsis guard cells. Journal of Plant Physiology, 2011, 168, 1919-1926.	1.6	71
122	Negative regulation of abscisic acid-induced stomatal closure by glutathione in Arabidopsis. Journal of Plant Physiology, 2011, 168, 2048-2055.	1.6	68
123	Involvement of extracellular oxidative burst in salicylic acidâ€induced stomatal closure in Arabidopsis. Plant, Cell and Environment, 2011, 34, 434-443.	2.8	292
124	Allyl isothiocyanate (AITC) induces stomatal closure in Arabidopsis. Plant, Cell and Environment, 2011, 34, 1900-1906.	2.8	93
125	Purification and characterization of cathepsin B from the gut of the sea cucumber (Stichopus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.2	31
126	Changes of collagen in sea cucumber (Stichopus japonicas) during cooking. Food Science and Biotechnology, 2011, 20, 1137-1141.	1.2	21

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127	Effect of thermal treatment on the texture and microstructure of abalone muscle (Haliotis discus). Food Science and Biotechnology, 2011, 20, 1467-1473.	1.2	36
128	Mg-chelatase H subunit affects ABA signaling in stomatal guard cells, but is not an ABA receptor in Arabidopsis thaliana. Journal of Plant Research, 2011, 124, 527-538.	1.2	73
129	ABA signaling in stomatal guard cells: lessons from Commelina and Vicia. Journal of Plant Research, 2011, 124, 477-487.	1.2	15
130	Extraction and antioxidant property of polyhydroxylated naphthoquinone pigments from spines of purple sea urchin Strongylocentrotus nudus. Food Chemistry, 2011, 129, 1591-1597.	4.2	62
131	Involvement of Endogenous Abscisic Acid in Methyl Jasmonate-Induced Stomatal Closure in Arabidopsis Â Â. Plant Physiology, 2011, 156, 430-438.	2.3	189
132	The Arabidopsis Calcium-Dependent Protein Kinase, CPK6, Functions as a Positive Regulator of Methyl Jasmonate Signaling in Guard Cells Â Â. Plant Physiology, 2011, 155, 553-561.	2.3	144
133	Methyl jasmonate signaling and signal crosstalk between methyl jasmonate and abscisic acid in guard cells. Plant Signaling and Behavior, 2011, 6, 939-941.	1.2	67
134	Title is missing!. ScienceAsia, 2011, 37, 281.	0.2	3
135	Extraction of lipid from sea urchin (Strongylocentrotus nudus) gonad by enzyme-assisted aqueous and supercritical carbon dioxide methods. European Food Research and Technology, 2010, 230, 737-743.	1.6	28
136	Chemical composition and free radical scavenging activities of a sulphated polysaccharide extracted from abalone gonad (Haliotis Discus Hannai Ino). Food Chemistry, 2010, 121, 712-718.	4.2	57
137	Preparation and in vitro antioxidant activity of enzymatic hydrolysates from oyster (Crassostrea talienwhannensis) meat. International Journal of Food Science and Technology, 2010, 45, 978-984.	1.3	34
138	Original article: Extraction of lipid from scallop (Patinopecten yessoensis) viscera by enzymeâ€assisted solvent and supercritical carbon dioxide methods. International Journal of Food Science and Technology, 2010, 45, 1787-1793.	1.3	14
139	Closing Plant Stomata Requires a Homolog of an Aluminum-Activated Malate Transporter. Plant and Cell Physiology, 2010, 51, 354-365.	1.5	159
140	Roles of AtTPC1, Vacuolar Two Pore Channel 1, in Arabidopsis Stomatal Closure. Plant and Cell Physiology, 2010, 51, 302-311.	1.5	86
141	Chitosan-Induced Stomatal Closure Accompanied by Peroxidase-Mediated Reactive Oxygen Species Production inArabidopsis. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2313-2315.	0.6	65
142	Proline and Glycinebetaine Ameliorated NaCl Stress via Scavenging of Hydrogen Peroxide and Methylglyoxal but Not Superoxide or Nitric Oxide in Tobacco Cultured Cells. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2043-2049.	0.6	89
143	Purification and bioactivity of a sulphated polysaccharide conjugate from viscera of abaloneHaliotis discus hannailno. Food and Agricultural Immunology, 2010, 21, 15-26.	0.7	37
144	Yeast Elicitor-Induced Stomatal Closure and Peroxidase-Mediated ROS Production in Arabidopsis. Plant and Cell Physiology, 2010, 51, 1915-1921.	1.5	75

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145	Cytosolic Alkalization and Cytosolic Calcium Oscillation in Arabidopsis Guard Cells Response to ABA and MeJA. Plant and Cell Physiology, 2010, 51, 1721-1730.	1.5	72
146	The Involvement of Intracellular Glutathione in Methyl Jasmonate Signaling inArabidopsisGuard Cells. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2504-2506.	0.6	25
147	The Effects of Methylglyoxal on Glutathione S-Transferase from Nicotiana tabacum. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2124-2126.	0.6	55
148	Artificial Food Colorants Inhibit Superoxide Production in Differentiated HL-60 Cells. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1725-1728.	0.6	6
149	Quantitative Analysis of the Effects of Diffusates from Plant Roots on the Hatching ofMeloidogyne chitwoodifrom Young and Senescing Host Plants. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2345-2347.	0.6	7
150	Induction of Apoptosis by Î²-Carotene and Dimethyl Tetrasulfide Assisted by UVA Irradiation in HL-60 Cells. Bioscience, Biotechnology and Biochemistry, 2009, 73, 1014-1020.	0.6	4
151	Myrosinases, TGG1 and TGG2, Redundantly Function in ABA and MeJA Signaling in Arabidopsis Guard Cells. Plant and Cell Physiology, 2009, 50, 1171-1175.	1.5	87
152	Nitric oxide functions in both methyl jasmonate signaling and abscisic acid signaling in Arabidopsis guard cells. Plant Signaling and Behavior, 2009, 4, 119-120.	1.2	42
153	JNK-dependent NFATc1 pathway positively regulates IL-13 gene expression induced by (â€“)-epigallocatechin-3-gallate in human basophilic KU812 cells. Free Radical Biology and Medicine, 2009, 47, 1028-1038.	1.3	14
154	Structural analysis of a polysaccharide from Patinopecten yessoensis viscera. European Food Research and Technology, 2009, 229, 971-974.	1.6	8
155	Deâ€regulated expression of the plant glutamate receptor homolog AtGLR3.1 impairs longâ€term Ca²⁺â€programmed stomatal closure. Plant Journal, 2009, 58, 437-449.	2.8	98
156	Calcium elevationâ€dependent and attenuated resting calciumâ€dependent abscisic acid induction of stomatal closure and abscisic acidâ€induced enhancement of calcium sensitivities of Sâ€type anion and inwardâ€rectifying K⁺ channels in Arabidopsis guard cells. Plant Journal, 2009, 59, 207-220.	2.8	142
157	Purification and partial characterization of an acid phosphatase from the body wall of sea cucumber Stichopus japonicus. Process Biochemistry, 2009, 44, 875-879.	1.8	22
158	Proline and Glycinebetaine Confer Cadmium Tolerance on Tobacco Bright Yellow-2 Cells by Increasing Ascorbate-Glutathione Cycle Enzyme Activities. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2320-2323.	0.6	48
159	Docosahexaenoic acid induces ERK1/2 activation and neuritogenesis via intracellular reactive oxygen species production in human neuroblastoma SH-SY5Y cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 8-16.	1.2	44
160	Proline and glycinebetaine induce antioxidant defense gene expression and suppress cell death in cultured tobacco cells under salt stress. Journal of Plant Physiology, 2009, 166, 146-156.	1.6	226
161	Exogenous proline and glycinebetaine increase antioxidant enzyme activities and confer tolerance to cadmium stress in cultured tobacco cells. Journal of Plant Physiology, 2009, 166, 1587-1597.	1.6	266
162	(â^')-Epigallocatechin-3-gallate induces up-regulation of Th1 and Th2 cytokine genes in Jurkat T cells. Archives of Biochemistry and Biophysics, 2009, 483, 99-105.	1.4	20

#	Article	IF	Citations
163	Integration of ROS and Hormone Signaling. Signaling and Communication in Plants, 2009, , 25-42.	0.5	11
164	MAP kinases MPK9 and MPK12 are preferentially expressed in guard cells and positively regulate ROS-mediated ABA signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20520-20525.	3.3	368
165	Exogenous Proline and Glycinebetaine Suppress Apoplastic Flow to Reduce Na⁺Uptake in Rice Seedlings. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2037-2042.	0.6	40
166	Proline and glycinebetaine enhance antioxidant defense and methylglyoxal detoxification systems and reduce NaCl-induced damage in cultured tobacco cells. Journal of Plant Physiology, 2008, 165, 813-824.	1.6	244
167	ATP depletion alters the mode of cell death induced by benzyl isothiocyanate. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2008, 1782, 566-573.	1.8	47
168	Purification of the functional plant membrane channel KAT1. Biochemical and Biophysical Research Communications, 2008, 374, 465-469.	1.0	7
169	Deficient Glutathione in Guard Cells Facilitates Abscisic Acid-Induced Stomatal Closure but Does Not Affect Light-Induced Stomatal Opening. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2795-2798.	0.6	47
170	Purification and Characterization of a Cathepsin L-Like Enzyme from the Body Wall of the Sea CucumberStichopus japonicus. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1430-1437.	0.6	42
171	Structure-Dependent Photodegradation of Carotenoids Accelerated by Dimethyl Tetrasulfide under UVA Irradiation. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2176-2183.	0.6	16
172	Effect of Dimethyl Sulfides on the Induction of Apoptosis in Human Leukemia Jurkat Cells and HL-60 Cells. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2966-2972.	0.6	17
173	Roles of RCN1, Regulatory A Subunit of Protein Phosphatase 2A, in Methyl Jasmonate Signaling and Signal Crosstalk between Methyl Jasmonate and Abscisic Acid. Plant and Cell Physiology, 2008, 49, 1396-1401.	1.5	84
174	(â^')-Epigallocatechin-3-gallate Potentiates the Cytotoxicity Induced by Benzyl Isothiocyanate and Hydrogen Peroxide in Human Jurkat T Lymphocytes. Bioscience, Biotechnology and Biochemistry, 2008, 72, 3034-3037.	0.6	9
175	The coronatine-insensitive 1 Mutation Reveals the Hormonal Signaling Interaction between Abscisic Acid and Methyl Jasmonate in Arabidopsis Guard Cells. Specific Impairment of Ion Channel Activation and Second Messenger Production. Plant Physiology, 2007, 143, 1398-1407.	2.3	319
176	Exogenous proline mitigates the detrimental effects of salt stress more than exogenous betaine by increasing antioxidant enzyme activities. Journal of Plant Physiology, 2007, 164, 553-561.	1.6	256
177	Exogenous proline and glycinebetaine increase NaCl-induced ascorbateâ€“glutathione cycle enzyme activities, and proline improves salt tolerance more than glycinebetaine in tobacco Bright Yellow-2 suspension-cultured cells. Journal of Plant Physiology, 2007, 164, 1457-1468.	1.6	267
178	Papaya Seed Represents a Rich Source of Biologically Active Isothiocyanate. Journal of Agricultural and Food Chemistry, 2007, 55, 4407-4413.	2.4	99
179	Apoptosis induction by dohevanil, a DHA substitutive analog of capsaicin, in MCF-7 cells. Life Sciences, 2006, 78, 1515-1519.	2.0	29
180	CDPKs CPK6 and CPK3 Function in ABA Regulation of Guard Cell S-Type Anion- and Ca2+- Permeable Channels and Stomatal Closure. PLoS Biology, 2006, 4, e327.	2.6	523

#	Article	IF	Citations
181	Phosphorus starvation induced root-mediated pH changes in solublization and acquisition of sparingly soluble P sources and organic acids exudation byBrassicacultivars. Soil Science and Plant Nutrition, 2006, 52, 623-633.	0.8	36
182	Expression and Ca 2+ Dependency of Plasma Membrane K + Channels of Tobacco Suspension Cells Adapted to Salt Stress. Plant and Cell Physiology, 2006, 47, 1674-1677.	1.5	6
183	The Inhibitory Effect of Dibutyryl Cyclic AMP on Docosahexaenoic Acid-Induced Apoptosis in HL-60 Cells through Activation of the Phosphatidylinositol-3 Kinase Pathway. Environmental Health and Preventive Medicine, 2005, 10, 184-189.	1.4	1
184	The inhibitory effect of dibutyryl cyclic AMP on docosahexaenoic acid-induced apoptosis in HL-60 cells through activation of the phosphatidylinositol-3 kinase pathway. Environmental Health and Preventive Medicine, 2005, 10, 184-189.	1.4	0
185	Acceleration Effect of Sulfides on Photodegradation of Carotenoids by UVA Irradiation. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1786-1789.	0.6	12
186	Docosahexaenoic Acid Induces Apoptosisviathe Bax-Independent Pathway in HL-60 Cells. Bioscience, Biotechnology and Biochemistry, 2004, 68, 2415-2417.	0.6	18
187	Simple Determination of Trace Amounts of Anionic Surfactants in River Water by Spectrophotometry Combined with Solid-phase Extraction. Bioscience, Biotechnology and Biochemistry, 2004, 68, 920-923.	0.6	6
188	Degradation of Ethyl Docosahexaenoate by Î³-Ray Irradiation and Suppression of This Degradation by Antioxidants. Bioscience, Biotechnology and Biochemistry, 2004, 68, 743-745.	0.6	8
189	Effects of the fermentation product of herbs by lactic acid bacteria against phytopathogenic filamentous fungi and on the growth of host plants. Journal of Bioscience and Bioengineering, 2004, 98, 187-192.	1.1	5
190	Reduction in Photostability by the Esterification of Î²-Cryptoxanthin. Bioscience, Biotechnology and Biochemistry, 2004, 68, 451-453.	0.6	6
191	Resistance Imparted by Traditional Chinese Medicines to the Acute Change of Glutamic Pyruvic Transaminase, Alkaline Phosphatase and Creatine Kinase Activities in Rat Blood Caused by Noise. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1160-1163.	0.6	6
192	Effects of exogenous application of proline and betaine on the growth of tobacco cultured cells under saline conditions. Soil Science and Plant Nutrition, 2004, 50, 1301-1305.	0.8	90
193	Inhibitory Effects of Esculetin on Melanin Biosynthesis. Biological and Pharmaceutical Bulletin, 2004, 27, 422-425.	0.6	53
194	Plant Ion Channels as Potential Targets of Agro-Chemicals. Journal of Pesticide Sciences, 2004, 29, 304-307.	0.8	1
195	Reduction of Noise-stress-induced Physiological Damage by Radices ofAstragaliandRhodiolae: Glycogen, Lactic Acid and Cholesterol Contents in Liver of the Rat. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1930-1936.	0.6	18
196	Mushroom Tyrosinase Inhibitory Activity of Esculetin Isolated from Seeds ofEuphorbia lathyrisL.. Bioscience, Biotechnology and Biochemistry, 2003, 67, 631-634.	0.6	196
197	Simple spectrophotometric determination of nonionic surfactants with a cationic azo dye. Bunseki Kagaku, 2003, 52, 899-902.	0.1	0
198	Quantitative Analysis of Allantoin in Fresh Tubers of Dioscorea opposita 'Tsukuneimo'. Journal of the Japanese Society for Horticultural Science, 2003, 72, 321-323.	0.4	5

#	Article	IF	Citations
199	Negative correlation between the ratio of K⁺to Na⁺and proline accumulation in tobacco suspension cells. Soil Science and Plant Nutrition, 2002, 48, 753-757.	0.8	22
200	Localization, Ion Channel Regulation, and Genetic Interactions during Abscisic Acid Signaling of the Nuclear mRNA Cap-Binding Protein, ABH1. Plant Physiology, 2002, 130, 1276-1287.	2.3	82
201	Disruption of a Guard Cellâ€"Expressed Protein Phosphatase 2A Regulatory Subunit, RCN1, Confers Abscisic Acid Insensitivity in Arabidopsis. Plant Cell, 2002, 14, 2849-2861.	3.1	192
202	Convergence of Calcium Signaling Pathways of Pathogenic Elicitors and Abscisic Acid in Arabidopsis Guard Cells Â. Plant Physiology, 2002, 130, 2152-2163.	2.3	222
203	Hypersensitivity of Abscisic Acidâ€"Induced Cytosolic Calcium Increases in the Arabidopsis Farnesyltransferase Mutant era1-2. Plant Cell, 2002, 14, 1649-1662.	3.1	105
204	Antifungal activity of the fermentation product of herbs by lactic acid bacteria against tinea. Journal of Bioscience and Bioengineering, 2002, 94, 401-405.	1.1	19
205	Abscisic Acid Activation of Plasma Membrane Ca²⁺ Channels in Guard Cells Requires Cytosolic NAD(P)H and Is Differentially Disrupted Upstream and Downstream of Reactive Oxygen Species Production in abi1-1 and abi2-1 Protein Phosphatase 2C Mutants. Plant Cell, 2001, 13, 2513-2523.	3.1	530
206	Dominant Negative Guard Cell K+ Channel Mutants Reduce Inward-Rectifying K+ Currents and Light-Induced Stomatal Opening in Arabidopsis. Plant Physiology, 2001, 127, 473-485.	2.3	173
207	Abscisic Acid Activation of Plasma Membrane Ca 2+ Channels in Guard Cells Requires Cytosolic NAD(P)H and Is Differentially Disrupted Upstream and Downstream of Reactive Oxygen Species Production in abi1-1 and abi2-1 Protein Phosphatase 2C Mutants. Plant Cell, 2001, 13, 2513.	3.1	13
208	Calcium channels activated by hydrogen peroxide mediate abscisic acidsignalling in guard cells. Nature, 2000, 406, 731-734.	13.7	1,938
209	Alterations in Ca2+-Binding on Plasma Membrane after Adaptation to Salt Stress of Tobacco Cells in Suspension. Plant and Cell Physiology, 2000, 41, 1286-1292.	1.5	11
210	Exogenous proline mitigates the inhibition of growth ofNicotiana tabacumcultured cells under saline conditions. Soil Science and Plant Nutrition, 2000, 46, 257-263.	0.8	61
211	Arabidopsis abi1-1 and abi2-1 Phosphatase Mutations Reduce Abscisic Acidâ€"Induced Cytoplasmic Calcium Rises in Guard Cells. Plant Cell, 1999, 11, 1785-1798.	3.1	286
212	Salt Adaptation of K+ Channels in the Plasma Membrane of Tobacco Cells in Suspension Culture. Plant and Cell Physiology, 1994, 35, 637-644.	1.5	37
213	Octanol/Water Partition Coefficient of Ortho-Substituted Aromatic Solutes. Journal of Pharmaceutical Sciences, 1993, 82, 776-781.	1.6	21
214	Correlation Analysis of the pKaValues of Mono- and Di-ortho-Substituted Benzoic Acids. Bulletin of the Chemical Society of Japan, 1992, 65, 3157-3162.	2.0	8
215	The fluorescent probe method using cyanine dye to determine the membrane potential in cells. Bioelectrochemistry, 1992, 28, 221-233.	1.0	2
216	Theoretical calculation of the steric effects of ortho substituents by the AM1 method. Journal of Computational Chemistry, 1991, 12, 135-138.	1.5	3

#	Article	IF	Citations
217	Correlation analysis of substituent effects on the acidity of benzoic acids by the AM1 method. Journal of Computational Chemistry, 1989, 10, 94-98.	1.5	58
218	Dominant Negative Guard Cell K+ Channel Mutants Reduce Inward-Rectifying K+ Currents and Light-Induced Stomatal Opening in Arabidopsis. , 0, .		30