Nobuyuki Uozumi

List of Publications by Year
in descending order

148 papers	8,559 citations	61984 43 h-index	46799 89 g-index
151 all docs	151 docs citations	151 times ranked	7007 citing authors

#	Article	IF	Citations
1	Current Methods to Unravel the Functional Properties of Lysosomal Ion Channels and Transporters. Cells, 2022, 11, 921.	4.1	7
2	Green Tea Catechins, (âˆ’)â€Catechin Gallate, and (âˆ’)â€Gallocatechin Gallate are Potent Inhibitors ofÂABAâ€Induced Stomatal Closure. Advanced Science, 2022, 9, e2201403.	11.2	4
3	12-Hydroxyjasmonic acid glucoside causes leaf-folding of Samanea saman through ROS accumulation. Scientific Reports, 2022, 12, 7232.	3.3	3
4	Evaluating Young's Modulus of Single Yeast Cells Based on Compression Using an Atomic Force Microscope with a Flat Tip. Microscopy and Microanalysis, 2021, 27, 392-399.	0.4	11
5	Isolation of Adenosine and Cordysinin B from Anredera cordifolia that Stimulates CRE-Mediated Transcription in PC12 Cells. Planta Medica International Open, 2021, 8, e19-e24.	0.5	2
6	Rice <i>amino acid transporterâ€likeÂ6</i> (<i>OsATL6</i>) is involved in amino acid homeostasis by modulating the vacuolar storage of glutamine in roots. Plant Journal, 2021, 107, 1616-1630.	5.7	4
7	Loss of cell wall integrity genes <i>cpxA</i> and <i>mrcB</i> causes flocculation in <i>Escherichia coli</i>. Biochemical Journal, 2021, 478, 41-59.	3.7	5
8	Analysis of Arabidopsis TPK2 and KCO3 reveals structural properties required for K⁺ channel function. Channels, 2020, 14, 336-346.	2.8	5
9	Diverse Physiological Functions of Cation Proton Antiporters across Bacteria and Plant Cells. International Journal of Molecular Sciences, 2020, 21, 4566.	4.1	21
10	Hik36â€“Hik43 and Rre6 act as a two-component regulatory system to control cell aggregation in Synechocystis sp. PCC6803. Scientific Reports, 2020, 10, 19405.	3.3	9
11	Calcium-Regulated Phosphorylation Systems Controlling Uptake and Balance of Plant Nutrients. Frontiers in Plant Science, 2020, 11, 44.	3.6	58
12	Functional characterization of multiple PAS domain-containing diguanylate cyclases in Synechocystis sp. PCC 6803. Microbiology (United Kingdom), 2020, 166, 659-668.	1.8	2
13	Evidence for potassium transport activity of Arabidopsis KEA1-KEA6. Scientific Reports, 2019, 9, 10040.	3.3	42
14	The mechanosensitive channel YbdG from Escherichia coli has a role in adaptation to osmotic up-shock. Journal of Biological Chemistry, 2019, 294, 12281-12292.	3.4	9
15	DAY-LENGTH-DEPENDENT DELAYED-GREENING1, the Arabidopsis Homolog of the Cyanobacterial H+-Extrusion Protein, Is Essential for Chloroplast pH Regulation and Optimization of Non-Photochemical Quenching. Plant and Cell Physiology, 2019, 60, 2660-2671.	3.1	13
16	Cesium Inhibits Plant Growth Primarily Through Reduction of Potassium Influx and Accumulation in Arabidopsis. Plant and Cell Physiology, 2019, 60, 63-76.	3.1	28
17	Guard Cell Membrane Anion Transport Systems and Their Regulatory Components: An Elaborate Mechanism Controlling Stress-Induced Stomatal Closure. Plants, 2019, 8, 9.	3.5	51
18	Calibration process for the Young's modulus of a mechanically trapped microbead measured by atomic force microscopy. , 2019, , .		0

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19	<i>N</i>â€myristoylation and <i>S</i>â€acylation are common modifications ofÂCa²⁺â€regulated <i>Arabidopsis</i> kinases and are required for activation of the SLAC1 anion channel. New Phytologist, 2018, 218, 1504-1521.	7.3	59
20	In vitro and in vivo characterization of modulation of the vacuolar cation channel TRPY 1 from Saccharomyces cerevisiae. FEBS Journal, 2018, 285, 1146-1161.	4.7	14
21	Identification and Characterization of Compounds that Affect Stomatal Movements. Plant and Cell Physiology, 2018, 59, 1568-1580.	3.1	34
22	Reduction of Spermidine Content Resulting from Inactivation of Two Arginine Decarboxylases Increases Biofilm Formation in Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2018, 200, .	2.2	24
23	Measurement of the mechanical properties of single <i>Synechocystis</i> sp. strain PCC6803 cells in different osmotic concentrations using a robot-integrated microfluidic chip. Lab on A Chip, 2018, 18, 1241-1249.	6.0	28
24	Mechanical Characterization of a Single Yeast Cell Using a Robot Integrated Microfluidic Chip. , 2018, , .		0
25	Ion Channels Regulate Nyctinastic Leaf Opening in Samanea saman. Current Biology, 2018, 28, 2230-2238.e7.	3.9	23
26	Probing native metal ion association sites through quenching of fluorophores in the nucleotide-binding domains of the ABC transporter MsbA. Biochemical Journal, 2017, 474, 1993-2007.	3.7	5
27	Dimerization of GTR1 regulates their plasma membrane localization. Plant Signaling and Behavior, 2017, 12, e1334749.	2.4	6
28	Identification of regions responsible for the function of the plant K+ channels KAT1 and AKT2 in Saccharomyces cerevisiae and Xenopus laevis oocytes. Channels, 2017, 11, 510-516.	2.8	2
29	Kup-mediated Cs+ uptake and Kdp-driven K+ uptake coordinate to promote cell growth during excess Cs+ conditions in Escherichia coli. Scientific Reports, 2017, 7, 2122.	3.3	11
30	GTR1 is a jasmonic acid and jasmonoyl-<scp>l</scp>-isoleucine transporter in<i>Arabidopsis thaliana</i>. Bioscience, Biotechnology and Biochemistry, 2017, 81, 249-255.	1.3	31
31	Mechanical characterization of a single synechocystis sp. PCC 6803 cell in different osmolarity solutions. , 2017, , .		0
32	The topogenic function of S4 promotes membrane insertion of the voltage-sensor domain in the KvAP channel. Biochemical Journal, 2016, 473, 4361-4372.	3.7	4
33	Limonene Enhances the cAMP Response Element (CRE)-Dependent Transcriptional Activity Activated via Adenosine A2â€‰A Receptor in a Neural-Crest Derived Cell Line, PC-12. Planta Medica International Open, 2016, 3, e60-e62.	0.5	0
34	Nerve growth factor enhances the CRE-dependent transcriptional activity activated by nobiletin in PC12 cells. Canadian Journal of Physiology and Pharmacology, 2016, 94, 728-733.	1.4	6
35	Involvement of Potassium Transport Systems in the Response of<i>Synechocystis</i>PCC 6803 Cyanobacteria to External pH Change, High-Intensity Light Stress and Heavy Metal Stress. Plant and Cell Physiology, 2016, 57, 862-877.	3.1	14
36	Ion Channels in Plant Bioenergetic Organelles, Chloroplasts and Mitochondria: From Molecular Identification to Function. Molecular Plant, 2016, 9, 371-395.	8.3	57

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37	Mechanical characterization of a single Synechocystis sp. PCC 6803. , 2015, , .		0
38	Comparative Analysis of <i>kdp</i> and <i>ktr</i> Mutants Reveals Distinct Roles of the Potassium Transporters in the Model Cyanobacterium Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2015, 197, 676-687.	2.2	39
39	Iron deficiency regulated OsOPT7 is essential for iron homeostasis in rice. Plant Molecular Biology, 2015, 88, 165-176.	3.9	39
40	Mechanical characterization system of cyanobacteria using a robot integrated microdluidic chip. , 2015, , .		1
41	HKT transporters mediate salt stress resistance in plants: from structure and function to the field. Current Opinion in Biotechnology, 2015, 32, 113-120.	6.6	195
42	The jasmonate-responsive GTR1 transporter is required for gibberellin-mediated stamen development in Arabidopsis. Nature Communications, 2015, 6, 6095.	12.8	151
43	The Phytosiderophore Efflux Transporter TOM2 Is Involved in Metal Transport in Rice. Journal of Biological Chemistry, 2015, 290, 27688-27699.	3.4	83
44	Molecular cloning and expression analysis of a gene encoding KUP/HAK/KT-type potassium uptake transporter from Cryptomeria japonica. Trees - Structure and Function, 2014, 28, 1527-1537.	1.9	4
45	Organelle-localized potassium transport systems in plants. Journal of Plant Physiology, 2014, 171, 743-747.	3.5	26
46	The phosphoinositide PI(3,5)P2 mediates activation of mammalian but not plant TPC proteins: functional expression of endolysosomal channels in yeast and plant cells. Cellular and Molecular Life Sciences, 2014, 71, 4275-4283.	5.4	63
47	Defining membrane spanning domains and crucial membrane-localized acidic amino acid residues for K+ transport of a Kup/HAK/KT-type Escherichia coli potassium transporter. Journal of Biochemistry, 2014, 155, 315-323.	1.7	37
48	A Cell-Free Translocation System Using Extracts of Cultured Insect Cells to Yield Functional Membrane Proteins. PLoS ONE, 2014, 9, e112874.	2.5	22
49	The wheat chloroplastic proteome. Journal of Proteomics, 2013, 93, 326-342.	2.4	33
50	Sodium transport system in plant cells. Frontiers in Plant Science, 2013, 4, 410.	3.6	173
51	Characterization of the role of a mechanosensitive channel in osmotic down shock adaptation in<i>Synechocystis</i>sp PCC 6803. Channels, 2013, 7, 238-242.	2.8	20
52	Molecular Bases of Multimodal Regulation of a Fungal Transient Receptor Potential (TRP) Channel. Journal of Biological Chemistry, 2013, 288, 15303-15317.	3.4	19
53	Aquaporin AqpZ Is Involved in Cell Volume Regulation and Sensitivity to Osmotic Stress in Synechocystis sp. Strain PCC 6803. Journal of Bacteriology, 2012, 194, 6828-6836.	2.2	24
54	Thylakoid potassium channel is required for efficient photosynthesis in cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11043-11048.	7.1	64

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55	Membrane Motive Force and Membrane Transport System in Plant Cells and Bacteria. Kagaku To Seibutsu, 2012, 50, 86-92.	0.0	0
56	A simple fed-batch method for transcription and insect cell-free translation. Journal of Bioscience and Bioengineering, 2012, 114, 677-679.	2.2	4
57	Towards an understanding of wheat chloroplasts: a methodical investigation of thylakoid proteome. Molecular Biology Reports, 2012, 39, 5069-5083.	2.3	24
58	Changes in physiology and protein abundance in salt-stressed wheat chloroplasts. Molecular Biology Reports, 2012, 39, 9059-9074.	2.3	93
59	Regulatory Mechanism of Plant Nyctinastic Movement: An Ion Channel-Related Plant Behavior. , 2012, , 125-142.		3
60	Phytosiderophore Efflux Transporters Are Crucial for Iron Acquisition in Graminaceous Plants. Journal of Biological Chemistry, 2011, 286, 5446-5454.	3.4	473
61	A Rice Phenolic Efflux Transporter Is Essential for Solubilizing Precipitated Apoplasmic Iron in the Plant Stele. Journal of Biological Chemistry, 2011, 286, 24649-24655.	3.4	156
62	Rice phenolics efflux transporter 2 (PEZ2) plays an important role in solubilizing apoplasmic iron. Soil Science and Plant Nutrition, 2011, 57, 803-812.	1.9	85
63	Potassium channels in plant cells. FEBS Journal, 2011, 278, 4293-4303.	4.7	232
64	Uniquely evolved plant ion channels. FEBS Journal, 2011, 278, 4261-4261.	4.7	2
65	12-Hydroxyjasmonic Acid Glucoside Is a COI1-JAZ-Independent Activator of Leaf-Closing Movement in <i>Samanea saman</i> Â Â. Plant Physiology, 2011, 155, 1226-1236.	4.8	75
66	Plant-Specific Cation/H+ Exchanger 17 and Its Homologs Are Endomembrane K+ Transporters with Roles in Protein Sorting. Journal of Biological Chemistry, 2011, 286, 33931-33941.	3.4	74
67	Plasma Membrane Aquaporin AqpZ Protein Is Essential for Glucose Metabolism during Photomixotrophic Growth of Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2011, 286, 25224-25235.	3.4	23
68	Pollen Tubes Lacking a Pair of K+ Transporters Fail to Target Ovules in<i>Arabidopsis</i>Â Â Â. Plant Cell, 2011, 23, 81-93.	6.6	148
69	Modulation of the Arabidopsis KAT1 channel by an activator of protein kinaseâ€ƒC in <i>Xenopus</i>â€ƒ<i>laevis</i> oocytes. FEBS Journal, 2010, 277, 2318-2328.	4.7	25
70	The consensus motif for Nâ€myristoylation of plant proteins in a wheat germ cellâ€free translation system. FEBS Journal, 2010, 277, 3596-3607.	4.7	31
71	The KtrA and KtrE Subunits Are Required for Na ⁺ -Dependent K ⁺ Uptake by KtrB across the Plasma Membrane in <i>Synechocystis</i> sp. Strain PCC 6803. Journal of Bacteriology, 2010, 192, 5063-5070.	2.2	17
72	AtKUP/HAK/KT9, a K⁺Transporter from<i>Arabidopsis thaliana</i>, Mediates Cs⁺Uptake in<i>Escherichia coli</i>. Bioscience, Biotechnology and Biochemistry, 2010, 74, 203-205.	1.3	42

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73	A Trk/HKT-Type K ⁺ Transporter from Trypanosoma brucei. Eukaryotic Cell, 2010, 9, 539-546.	3.4	18
74	Ion Channels and Plant Stress: Past, Present, and Future. Signaling and Communication in Plants, 2010, , 1-22.	0.7	12
75	The Implication of YggT of<i>Escherichia coli</i>in Osmotic Regulation. Bioscience, Biotechnology and Biochemistry, 2009, 73, 2698-2704.	1.3	30
76	Identification and Characterization of the Na+/H+ Antiporter NhaS3 from the Thylakoid Membrane of Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 2009, 284, 16513-16521.	3.4	67
77	Threonine at position 306 of the KAT1 potassium channel is essential for channel activity and is a target site for ABA-activated SnRK2/OST1/SnRK2.6 protein kinase. Biochemical Journal, 2009, 424, 439-448.	3.7	316
78	Contribution of salicylic acid glucosyltransferase, OsSGT1, to chemically induced disease resistance in rice plants. Plant Journal, 2009, 57, 463-472.	5.7	90
79	Synchrony between flower opening and petal-color change from red to blue in morning glory, Ipomoea tricolor cv. Heavenly Blue. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2009, 85, 187-197.	3.8	51
80	Purification of the functional plant membrane channel KAT1. Biochemical and Biophysical Research Communications, 2008, 374, 465-469.	2.1	7
81	Electrophysiological Properties of NtTPK1 Expressed in Yeast Tonoplast. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2785-2787.	1.3	8
82	Characterization of a Tobacco TPK-type K+ Channel as a Novel Tonoplast K+ Channel Using Yeast Tonoplasts. Journal of Biological Chemistry, 2008, 283, 1911-1920.	3.4	72
83	Novel Treatment for Lithium-Induced Nephrogenic Diabetes Insipidus Rat Model Using the Sendai-Virus Vector Carrying Aquaporin 2 Gene. Endocrinology, 2008, 149, 5803-5810.	2.8	8
84	Contribution of hydrophobic and electrostatic interactions to the membrane integration of the Shaker K+ channel voltage sensor domain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 8263-8268.	7.1	64
85	Role of Positively Charged Amino Acids in the M2_DTransmembrane Helix of Ktr/Trk/HKT Type Cation Transporters. Channels, 2007, 1, 161-171.	2.8	44
86	Ktr-Mediated Potassium Transport, a Major Pathway for Potassium Uptake, Is Coupled to a Proton Gradient Across the Membrane inSynechocystissp. PCC 6803. Bioscience, Biotechnology and Biochemistry, 2006, 70, 273-275.	1.3	23
87	Nomenclature for HKT transporters, key determinants of plant salinity tolerance. Trends in Plant Science, 2006, 11, 372-374.	8.8	329
88	Properties of Shaker-type Potassium Channels in Higher Plants. Journal of Membrane Biology, 2006, 210, 1-19.	2.1	98
89	Mutation of His-157 in the Second Pore Loop Drastically Reduces the Activity of the Synechocystis Ktr-Type Transporter. Journal of Bacteriology, 2006, 188, 7985-7987.	2.2	8
90	Further application of a two-step heparin affinity chromatography method using divalent cations as eluents: Purification and identification of membrane-bound heparin binding proteins from the mitochondrial fraction of HL-60 cells. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 823, 209-212.	2.3	2

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91	Enhanced salt tolerance mediated by AtHKT1 transporter-induced Na+ unloading from xylem vessels to xylem parenchyma cells. Plant Journal, 2005, 44, 928-938.	5.7	572
92	All Four Putative Selectivity Filter Glycine Residues in KtrB Are Essential for High Affinity and Selective K+ Uptake by the KtrAB System from Vibrio alginolyticus. Journal of Biological Chemistry, 2005, 280, 41146-41154.	3.4	71
93	Na+-dependent K+ Uptake Ktr System from the Cyanobacterium Synechocystis sp. PCC 6803 and Its Role in the Early Phases of Cell Adaptation to Hyperosmotic Shock. Journal of Biological Chemistry, 2004, 279, 54952-54962.	3.4	81
94	Mechanosensitivity of GIRK Channels Is Mediated by Protein Kinase C-dependent Channel-Phosphatidylinositol 4,5-Bisphosphate Interaction. Journal of Biological Chemistry, 2004, 279, 7037-7047.	3.4	31
95	Large-Scale Production of Hairy Root. Advances in Biochemical Engineering/Biotechnology, 2004, 91, 75-103.	1.1	17
96	Characterization of Potassium Channels from Arabidopsis thaliana. , 2004, , 167-169.		0
97	Functional analysis of AtHKT1 in Arabidopsis shows that Na+ recirculation by the phloem is crucial for salt tolerance. EMBO Journal, 2003, 22, 2004-2014.	7.8	512
98	Requirement of Negative Residues, Asp 95 and Asp 105, in S2 on Membrane Integration of a Voltage-dependent K+Channel, KAT1. Bioscience, Biotechnology and Biochemistry, 2003, 67, 923-926.	1.3	2
99	KtrAB and KtrCD: Two K ⁺ Uptake Systems in <i>Bacillus subtilis</i> and Their Role in Adaptation to Hypertonicity. Journal of Bacteriology, 2003, 185, 1289-1298.	2.2	167
100	Molecular Dissection of the Contribution of Negatively and Positively Charged Residues in S2, S3, and S4 to the Final Membrane Topology of the Voltage Sensor in the K+ Channel, KAT1. Journal of Biological Chemistry, 2003, 278, 13227-13234.	3.4	32
101	Topogenesis of Two Transmembrane Type K+ Channels, Kir 2.1 and KcsA. Journal of Biological Chemistry, 2003, 278, 40373-40384.	3.4	18
102	Addition of a Peptide Tag at the C Terminus of AtHKT1 Inhibits Its Na+Transport. Bioscience, Biotechnology and Biochemistry, 2003, 67, 2291-2293.	1.3	5
103	Integration of Shaker-type K+ channel, KAT1, into the endoplasmic reticulum membrane: Synergistic insertion of voltage-sensing segments, S3-S4, and independent insertion of pore-forming segments, S5-P-S6. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 60-65.	7.1	56
104	Glycine residues in potassium channel-like selectivity filters determine potassium selectivity in four-loop-per-subunit HKT transporters from plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6428-6433.	7.1	257
105	Altered shoot/root Na+ distribution and bifurcating salt sensitivity in Arabidopsis by genetic disruption of the Na+ transporter AtHKT1. FEBS Letters, 2002, 531, 157-161.	2.8	336
106	Membrane-bound heparin binding proteins from HL-60 cells purified in a two-step affinity chromatography differentially eluted with divalent cations. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 780, 1-12.	2.3	3
107	Residue Aspartate-147 from the Third Transmembrane Region of Na + /H + Antiporter NhaB of Vibrio alginolyticus Plays a Role in Its Activity. Journal of Bacteriology, 2001, 183, 5762-5767.	2.2	17
108	<i>Escherichia coli</i>as an expression system for K⁺transport systems from plants. American Journal of Physiology - Cell Physiology, 2001, 281, C733-C739.	4.6	41

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109	Evidence in support of a four transmembrane-pore-transmembrane topology model for the Arabidopsis thaliana Na+/K+ translocating AtHKT1 protein, a member of the superfamily of K+ transporters. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6488-6493.	7.1	131
110	CLONING OF A cDNA ENCODING A 66-kDa Ca2+-DEPENDENT PROTEIN KINASE (CDPK) FROMDUNALIELLA TERTIOLECTA(CHLOROPHYTA). Journal of Phycology, 2000, 36, 545-552.	2.3	14
111	Phenylethylamine-Induced Generation of Reactive Oxygen Species and Ascorbate Free Radicals in Tobacco Suspension Culture: Mechanism for Oxidative Burst Mediating Ca2+ Influx. Plant and Cell Physiology, 2000, 41, 1259-1266.	3.1	45
112	The Arabidopsis HKT1 Gene Homolog Mediates Inward Na+ Currents in Xenopus laevis Oocytes and Na+ Uptake in Saccharomyces cerevisiae. Plant Physiology, 2000, 122, 1249-1260.	4.8	445
113	Aromatic Monoamine-Induced Immediate Oxidative Burst Leading to an Increase in Cytosolic Ca2+ Concentration in Tobacco Suspension Culture. Plant and Cell Physiology, 2000, 41, 1251-1258.	3.1	43
114	Phosphorylation of the Inward-Rectifying Potassium Channel KAT1 by ABR Kinase in Vicia Guard Cells. Plant and Cell Physiology, 2000, 41, 850-856.	3.1	48
115	yam8+, a Schizosaccharomyces pombe Gene, Is a Potential Homologue of the Saccharomyces cerevisiae MID1 Gene Encoding a Stretch- Activated Ca2+-Permeable Channel. Biochemical and Biophysical Research Communications, 2000, 269, 265-269.	2.1	14
116	Crystallization and preliminary X-ray analysis of Î²-amylase from Bacillus polymyxa. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 898-900.	2.5	0
117	Salicylic Acid Induces a Cytosolic Ca2+Elevation in Yeast. Bioscience, Biotechnology and Biochemistry, 1998, 62, 986-989.	1.3	16
118	AtKUP1: An Arabidopsis Gene Encoding High-Affinity Potassium Transport Activity. Plant Cell, 1998, 10, 51-62.	6.6	314
119	Salicylic Acid Induces Extracellular Superoxide Generation Followed by an Increase in Cytosolic Calcium Ion in Tobacco Suspension Culture: The Earliest Events in Salicylic Acid Signal Transduction. Plant and Cell Physiology, 1998, 39, 721-730.	3.1	200
120	Development of Rotating-Mesh Basket Type Bioreactor for Carrot Embryo Production in Immobilized Callus System.. Journal of Chemical Engineering of Japan, 1998, 31, 613-617.	0.6	6
121	Production of Regenerated Plantlet using Shaking Vessel-Type Bioreactor.. Journal of Chemical Engineering of Japan, 1997, 30, 179-182.	0.6	17
122	Plant Regeneration and Somatic Embryogenesis Frequency Using Callus Induced from Regenerated Celery Plant.. Kagaku Kogaku Ronbunshu, 1996, 22, 691-694.	0.3	0
123	Efficient culture method for production of plantlets from mechanically cut horseradish hairy roots. Journal of Bioscience and Bioengineering, 1996, 81, 87-89.	0.9	11
124	Efficient regeneration from GUS-transformed Ajuga hairy root. Journal of Bioscience and Bioengineering, 1996, 81, 374-378.	0.9	23
125	Optimal expression of GUS gene from methyl jasmonate-inducible promoter in high density culture of transformed tobacco cell line BY-2. Journal of Bioscience and Bioengineering, 1996, 82, 51-55.	0.9	24
126	Production of plantlets for use as artificial seeds from horseradish hairy roots fragmented in a blender. Journal of Bioscience and Bioengineering, 1995, 79, 458-464.	0.9	33

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127	20-Hydroxyecdysone production in Ajuga hairy root controlling intracellular phosphate content based on kinetic model. Journal of Bioscience and Bioengineering, 1995, 80, 362-368.	0.9	24
128	Efficient production of celery embryos and plantlets released in culture of immobilized gel beads. Journal of Bioscience and Bioengineering, 1995, 79, 585-588.	0.9	13
129	Multiple Genes, Tissue Specificity, and Expression-Dependent Modulation Contribute to the Functional Diversity of Potassium Channels in Arabidopsis thaliana. Plant Physiology, 1995, 109, 1093-1106.	4.8	145
130	Identification of Strong Modifications in Cation Selectivity in an Arabidopsis Inward Rectifying Potassium Channel by Mutant Selection in Yeast. Journal of Biological Chemistry, 1995, 270, 24276-24281.	3.4	102
131	Application of Hairy Root and Bioreactors. , 1994, , 307-338.		10
132	Micropropagation of horseradish hairy root by means of adventitious shoot primordia. Plant Cell, Tissue and Organ Culture, 1994, 36, 183-190.	2.3	17
133	Stimulation of emergence of root apical meristems in horseradish hairy root by auxin supplementation and its kinetic model. Journal of Bioscience and Bioengineering, 1994, 77, 178-182.	0.9	21
134	Molecular cloning of thermostable Î²-glucosidase gene from a thermophilic anaerobe NA10 and its high expression in Escherichia coli. Journal of Bioscience and Bioengineering, 1994, 77, 199-201.	0.9	6
135	Light activation of expression associated with the tomato rbcS promoter in transformed tobacco cell line BY-2. Journal of Biotechnology, 1994, 36, 55-62.	3.8	18
136	Cloning and sequencing of a gene encoding nitrite reductase from Paracoccus denitrificans and expression of the gene in Escherichia coli. Journal of Bioscience and Bioengineering, 1993, 76, 82-88.	0.9	22
137	Secretion of thermophilic bacterial cellobiohydrolase in Saccharomyces cerevisiae. Journal of Bioscience and Bioengineering, 1993, 75, 399-404.	0.9	3
138	Application of image analysis with neural network for plant somatic embryo culture. Journal of Bioscience and Bioengineering, 1993, 76, 505-509.	0.9	41
139	Light Dependency in Celery Somatic Embryogenesis and Plantlet Development in Suspension Culture.. Plant Tissue Culture Letters, 1993, 10, 25-32.	0.1	11
140	Growth and kinetic parameters of ajuga hairy root in fedâ€batch culture on monosaccharide medium. Journal of Chemical Technology and Biotechnology, 1993, 57, 155-161.	3.2	26
141	Inducible production of recombinant xylose isomerase by Escherichia coli in fed-batch culture.. Journal of Chemical Engineering of Japan, 1992, 25, 702-708.	0.6	1
142	Functional Roles of Active Site Residues of Bacillus polymyxa ?-Amylase. Annals of the New York Academy of Sciences, 1992, 672, 24-28.	3.8	1
143	Excretion of peroxidase from horseradish hairy root in combination with ion supplementation. Applied Microbiology and Biotechnology, 1992, 37, 560.	3.6	27
144	Production of artificial seed from horseradish hairy root. Journal of Bioscience and Bioengineering, 1992, 74, 21-26.	0.9	36

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145	Functional Roles of Active Site Residues of Bacillus polymyxa ?-Amylase. Annals of the New York Academy of Sciences, 1992, 672, 24-28.	3.8	2
146	Structural and functional roles of cysteine residues of bacillus polymyxa .beta.-amylase. Biochemistry, 1991, 30, 4594-4599.	2.5	27
147	Fed-batch culture of hairy root using fructose as a carbon source. Journal of Bioscience and Bioengineering, 1991, 72, 457-460.	0.9	43
148	Enhancement of Peroxidase Production and Excretion from Horseradish Hairy Roots by Light, NaCl and Peroxidase-Adsorption in Situ.. Plant Tissue Culture Letters, 1991, 8, 158-165.	0.1	21