

# Hiroshi Nonami

## List of Publications by Year in descending order

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110  
papers

3,266  
citations

136950

32  
h-index

175258

52  
g-index

112  
all docs

112  
docs citations

112  
times ranked

2541  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Plant water relations and control of cell elongation at low water potentials. <i>Journal of Plant Research</i> , 1998, 111, 373-382.  | 2.4 | 151       |
| 2  | Primary Events Regulating Stem Growth at Low Water Potentials. <i>Plant Physiology</i> , 1990, 93, 1601-1609.   | 4.8 | 136       |
| 3  | Turgor and Growth at Low Water Potentials. <i>Plant Physiology</i> , 1989, 89, 798-804.   | 4.8 | 129       |
| 4  | Wall Extensibility and Cell Hydraulic Conductivity Decrease in Enlarging Stem Tissues at Low Water Potentials. <i>Plant Physiology</i> , 1990, 93, 1610-1619.   | 4.8 | 120       |
| 5  | Diamond, Titanium Dioxide, Titanium Silicon Oxide, and Barium Strontium Titanium Oxide Nanoparticles as Matrixes for Direct Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis of Carbohydrates in Plant Tissues. <i>Analytical Chemistry</i> , 2010, 82, 5518-5526.                                  | 6.5 | 116       |
| 6  | Sugar Accumulation Enhanced by Osmoregulation in Satsuma Mandarin Fruit. <i>Journal of the American Society for Horticultural Science</i> , 1996, 121, 466-472.   | 1.0 | 112       |
| 7  | $\hat{1}^2$ -Carboline alkaloids as matrices for UV-matrix-assisted laser desorption/ionization time-of-flight mass spectrometry in positive and negative ion modes. Analysis of proteins of high molecular mass, and of cyclic and acyclic oligosaccharides. , 1998, 12, 285-296.  |     | 104       |
| 8  | Sugar Accumulation and Partitioning in Satsuma Mandarin Tree Tissues and Fruit in Response to Drought Stress. <i>Journal of the American Society for Horticultural Science</i> , 1998, 123, 719-726.  | 1.0 | 102       |
| 9  | Effect of Low Root Temperature on Hydraulic Conductivity of Rice Plants and the Possible Role of Aquaporins. <i>Plant and Cell Physiology</i> , 2008, 49, 1294-1305.  | 3.1 | 101       |
| 10 | $\hat{1}^2$ -Carboline Alkaloids as Matrixes for Matrix-assisted Ultraviolet Laser Desorption Time-of-flight Mass Spectrometry of Proteins and Sulfated Oligosaccharides: a Comparative Study Using Phenylcarbonyl Compounds, Carbazoles and Classical Matrixes. <i>Journal of Mass Spectrometry</i> , 1997, 32, 287-296. | 1.6 | 100       |
| 11 | Single-Cell Metabolite Profiling of Stalk and Glandular Cells of Intact Trichomes with Internal Electrode Capillary Pressure Probe Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 3049-3057.  | 6.5 | 90        |
| 12 | Cagelike Precursors of High-Molar-Mass Silsesquioxanes Formed by the Hydrolytic Condensation of Trialkoxysilanes. <i>Macromolecules</i> , 2000, 33, 1940-1947.  | 4.8 | 87        |
| 13 | Origin of Growth-Induced Water Potential. <i>Plant Physiology</i> , 1987, 83, 596-601.  | 4.8 | 84        |
| 14 | Cell water potential, osmotic potential, and turgor in the epidermis and mesophyll of transpiring leaves. <i>Planta</i> , 1989, 177, 35-46.   | 3.2 | 83        |
| 15 | One-Step Synthesis of Polyhedral Silsesquioxanes Bearing Bulky Substituents: $\hat{A}$ UV-MALDI-TOF and ESI-TOF Mass Spectrometry Characterization of Reaction Products. <i>Macromolecules</i> , 2001, 34, 3534-3539.   | 4.8 | 80        |
| 16 | Silsesquioxanes Derived from the Bulk Polycondensation of [3-(Methacryloxy)propyl]trimethoxysilane with Concentrated Formic Acid: $\hat{A}$ Evolution of Molar Mass Distributions and Fraction of Intramolecular Cycles. <i>Macromolecules</i> , 2002, 35, 1160-1174.   | 4.8 | 61        |
| 17 | Pressure Probe and Isopiestic Psychrometer Measure Similar Turgor. <i>Plant Physiology</i> , 1987, 83, 592-595.   | 4.8 | 59        |
| 18 | Direct profiling of phytochemicals in tulip tissues and in vivo monitoring of the change of carbohydrate content in tulip bulbs by probe electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 2304-2311.   | 2.8 | 59        |

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|----|--|-----|-----------|
| 19 | Multiple strategies for heat adaptation to prevent chalkiness in the rice endosperm. <i>Journal of Experimental Botany</i> , 2019, 70, 1299-1311.  | 4.8 | 50        |
| 20 | Application of Probe Electrospray Ionization Mass Spectrometry (PESI-MS) to Clinical Diagnosis: Solvent Effect on Lipid Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2043-2047.  | 2.8 | 49        |
| 21 | Structural analysis of the N-glycans of the major cysteine proteinase of <i>Trypanosoma cruzi</i> . <i>FEBS Journal</i> , 2005, 272, 3803-3815.  | 4.7 | 46        |
| 22 | Poly(silsesquioxanes) derived from the hydrolytic condensation of organotrialkoxysilanes containing hydroxyl groups. <i>Journal of Organometallic Chemistry</i> , 2003, 686, 42-51.  | 1.8 | 45        |
| 23 | Mechanisms of stomatal movement in response to air humidity, irradiance and xylem water potential. <i>Planta</i> , 1991, 183, 57-64.   | 3.2 | 44        |
| 24 | Evaluation of pyridoindoles, pyridylindoles and pyridylpyridoindoles as matrices for ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2354-2373.   | 1.5 | 44        |
| 25 | Detection of protein from detergent solutions by probe electrospray ionization mass spectrometry (PESI-MS). <i>Journal of Mass Spectrometry</i> , 2011, 46, 967-975.   | 1.6 | 44        |
| 26 | Real-time reaction monitoring by probe electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1507-1513.  | 1.5 | 43        |
| 27 | Living cell manipulation, manageable sampling, and shotgun picoliter electrospray mass spectrometry for profiling metabolites. <i>Analytical Biochemistry</i> , 2013, 433, 70-78.  | 2.4 | 43        |
| 28 | UV-MALDI-TOF and ESI-TOF Mass Spectrometry Characterization of Silsesquioxanes Obtained by the Hydrolytic Condensation of (3-Glycidoxypropyl)-trimethoxysilane in an Epoxidized Solvent. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2425-2433.   | 2.2 | 41        |
| 29 | Biomolecular analysis and cancer diagnostics by negative mode probe electrospray ionization. <i>Analyst</i> , The, 2013, 138, 1682.  | 3.5 | 37        |
| 30 | Rice Chalky Ring Formation Caused by Temporal Reduction in Starch Biosynthesis during Osmotic Adjustment under Foehn-Induced Dry Wind. <i>PLoS ONE</i> , 2014, 9, e110374.   | 2.5 | 35        |
| 31 | Matrix-assisted ultraviolet laser-desorption ionization and electrospray-ionization time-of-flight mass spectrometry of sulfated neocarrabiose oligosaccharides. <i>Carbohydrate Research</i> , 2002, 337, 1553-1562.  | 2.3 | 34        |
| 32 | Glycosphingolipids in <i>Plasmodium falciparum</i> . <i>FEBS Journal</i> , 2004, 271, 2204-2214.   | 0.2 | 34        |
| 33 | The effect of temperature on the stability of compounds used as UV-MALDI-MS matrix: 2,5-dihydroxybenzoic acid, 2,4,6-trihydroxyacetophenone, 1-cyano-4-hydroxycinnamic acid, 3,5-dimethoxy-4-hydroxycinnamic acid, nor-harmaline and harmaline. <i>Journal of Mass Spectrometry</i> , 2009, 44, 260-277. | 1.6 | 33        |
| 34 | Direct analysis of anabolic steroids in urine using Leidenfrost phenomenon assisted thermal desorption-dielectric barrier discharge ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 839, 1-7.  | 5.4 | 32        |
| 35 | On-site single pollen metabolomics reveals varietal differences in phosphatidylinositol synthesis under heat stress conditions in rice. <i>Scientific Reports</i> , 2020, 10, 2013.  | 3.3 | 31        |
| 36 | Piezoelectric inkjet assisted rapid electrospray ionization mass spectrometric analysis of metabolites in plant single cells via a direct sampling probe. <i>Analyst</i> , The, 2014, 139, 5734-5739.  | 3.5 | 30        |

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|----|---|-----|-----------|
| 37 | Title is missing!. <i>Biotechnology Letters</i> , 1999, 13, 923-926.  | 0.5 | 29        |
| 38 | Solid probe assisted nanoelectrospray ionization mass spectrometry for biological tissue diagnostics. <i>Analyst</i> , The, 2012, 137, 4658.  | 3.5 | 29        |
| 39 | Lipase-catalyzed synthesis and characterization of copolymers from ethyl acrylate as the only monomer starting material. <i>Polymer</i> , 2007, 48, 1517-1525.  | 3.8 | 27        |
| 40 | In situ analysis of plant tissue underivatized carbohydrates and on-probe enzymatic degraded starch by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry by using carbon nanotubes as matrix. <i>Analytical Biochemistry</i> , 2008, 383, 159-167. | 2.4 | 27        |
| 41 | Alternative Processing of Arabidopsis Hsp70 Precursors during Protein Import into Chloroplasts. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2926-2935.  | 1.3 | 27        |
| 42 | Application of Pressure Probe and UV-MALDI-TOF MS for Direct Analysis of Plant Underivatized Carbohydrates in Subpicoliter Single-Cell Cytoplasm Extract. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1841-1848.                                 | 2.8 | 23        |
| 43 | Development of Sheath-Flow Probe Electrospray Ionization Mass Spectrometry and Its Application to Real Time Pesticide Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7889-7895.  | 5.2 | 23        |
| 44 | Development of sheath-flow probe electrospray ionization (SF-PESI). <i>Journal of Mass Spectrometry</i> , 2013, 48, 823-829.  | 1.6 | 23        |
| 45 | Matrix-assisted ultraviolet laser-desorption ionization time-of-flight mass spectrometry of sulfated mannans from the red seaweed <i>Nothogenia fastigiata</i> . <i>Carbohydrate Research</i> , 2000, 329, 157-167.   | 2.3 | 22        |
| 46 | Synthesis of Chiral Polyhydroxy Polyamides Having Chains of Defined Regio and Stereoregularity. <i>Macromolecules</i> , 2001, 34, 687-695.  | 4.8 | 22        |
| 47 | Increased Ring-Shaped Chalkiness and Osmotic Adjustment when Growing Rice Grains under Foehn-Induced Dry Wind Condition. <i>Crop Science</i> , 2011, 51, 1703-1715.   | 1.8 | 22        |
| 48 | Mass spectrometry of rhenium complexes: a comparative study by using LDI-MS, MALDI-MS, PESI-MS and ESI-MS. <i>Journal of Mass Spectrometry</i> , 2012, 47, 313-321.   | 1.6 | 22        |
| 49 | Turgor-responsive starch phosphorylation in <i>Oryza sativa</i> stems: A primary event of starch degradation associated with grain-filling ability. <i>PLoS ONE</i> , 2017, 12, e0181272.   | 2.5 | 22        |
| 50 | Silsesquioxane functionalized with methacrylate and amine groups as a crosslinker/co-initiator for the synthesis of hydrogels by visible-light photopolymerization. <i>Polymer</i> , 2008, 49, 3648-3653.   | 3.8 | 21        |
| 51 | Lipase-catalyzed synthesis and characterization of a novel linear polyamidoamine oligomer. <i>Polymer</i> , 2010, 51, 2998-3005.  | 3.8 | 20        |
| 52 | Photosensitized electron transfer within a self-assembled norharmane-2'-deoxyadenosine 5'-monophosphate (dAMP) complex. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9359.   | 2.8 | 20        |
| 53 | Online Electrospray Ionization Mass Spectrometric Monitoring of Protease-Catalyzed Reactions in Real Time. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 728-735.  | 2.8 | 19        |
| 54 | Epoxy Networks Modified by a New Class of Oligomeric Silsesquioxanes Bearing Multiple Intramolecular Rings Formed through Si-O-C Bonds. <i>Macromolecular Materials and Engineering</i> , 2004, 289, 315-323.   | 3.6 | 18        |

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|----|--|-----|-----------|
| 55 | Plasmodium falciparum biosynthesizes sulfoglycosphingolipids. <i>Molecular and Biochemical Parasitology</i> , 2007, 154, 22-29.  | 1.1 | 17        |
| 56 | Probe Electrospray Ionization (PESI) and Its Modified Versions: Dipping PESI (dPESI), Sheath-Flow PESI (sfPESI) and Adjustable sfPESI (ad-sfPESI). <i>Mass Spectrometry</i> , 2020, 9, A0092-A0092.  | 0.6 | 17        |
| 57 | Dipping probe electrospray ionization/mass spectrometry for direct on-site and low-invasive food analysis. <i>Food Chemistry</i> , 2018, 260, 53-60.   | 8.2 | 16        |
| 58 | Matrix-assisted ultraviolet laser desorption/ionization time-of-flight mass spectrometry of $\beta$ -(1 $\rightarrow$ 3), $\beta$ -(1 $\rightarrow$ 6) D-glucopyranosyl $\alpha$ -D-glucopyranoside. <i>Mass Spectrometry</i> , 2005, 19, 349-358.   | 1.5 | 15        |
| 59 | Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry analysis of oligosaccharides and oligosaccharide alditols obtained by hydrolysis of agaroses and carrageenans, two important types of red seaweed polysaccharides. <i>Carbohydrate Research</i> , 2010, 345, 275-283. | 2.3 | 14        |
| 60 | In Situ Pressure Probe Sampling and UV-MALDI MS for Profiling Metabolites in Living Single Cells. <i>Mass Spectrometry</i> , 2012, 1, A0003-A0003.   | 0.6 | 14        |
| 61 | Remote sampling mass spectrometry for dry samples: Sheath-flow probe electrospray ionization (PESI) using a gel-loading tip inserted with an acupuncture needle. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 407-413.   | 1.5 | 14        |
| 62 | Effects of Water Flow from the Xylem on the Growth-induced Water Potential and the Growth-effective Turgor Associated with Enlarging Tomato Fruit. <i>Environmental Control in Biology</i> , 2010, 48, 101-116.  | 0.7 | 14        |
| 63 | Component Profiling in Agricultural Applications Using an Adjustable Acupuncture Needle for Sheath-Flow Probe Electrospray Ionization/Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3275-3283.  | 5.2 | 12        |
| 64 | Nor-Harmane (9H-Pyrindo[3,4-b]indole) as Outstanding Matrix for UV-Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Analysis of Synthetic and Bio-Polymers.. <i>Seibutsu Kankyo Chosetsu [Environment Control in Biology</i> , 2002, 40, 55-73.                                    | 0.2 | 11        |
| 65 | A matrix-assisted laser desorption/ionization mass spectrometry approach to the lipid A from <i>Mesorhizobium loti</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2175-2182.   | 1.5 | 11        |
| 66 | Evidence for preservation of vacuolar compartments during foehn-induced chalky ring formation of <i>Oryza sativa</i> L.. <i>Planta</i> , 2018, 248, 1263-1275.   | 3.2 | 11        |
| 67 | Hydraulic Conductance in Tepal Growth and Extension of Vase Life with Trehalose in Cut Tulip Flowers. <i>Journal of the American Society for Horticultural Science</i> , 2005, 130, 275-286.   | 1.0 | 11        |
| 68 | UV-Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of synthetic polymers by using nor-harmane as matrix. <i>Arkivoc</i> , 2003, 2003, 517-537.   | 0.5 | 11        |
| 69 | Trehalose Changes Hydraulic Conductance of Tissue-cultured Soybean Embryos.. <i>Plant Biotechnology</i> , 2000, 17, 119-125.   | 1.0 | 11        |
| 70 | <i>In situ</i> analysis of soybeans and nuts by probe electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2015, 50, 676-682.  | 1.6 | 10        |
| 71 | Mass spectrometric monitoring of oxidation of aliphatic C <sub>6</sub> -C <sub>8</sub> hydrocarbons and ethanol in low pressure oxygen and air plasmas. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1187-1195.   | 1.6 | 10        |
| 72 | Non-proximate mass spectrometry using a heated 1-m long PTFE tube and an air-tight APCI ion source. <i>Analytica Chimica Acta</i> , 2017, 973, 59-67.  | 5.4 | 10        |

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| 73 | Desorption in Mass Spectrometry. <i>Mass Spectrometry</i> , 2017, 6, S0059-S0059.  | 0.6 | 9         |
| 74 | Point Analysis of Foods by Sheath-Flow Probe Electrospray Ionization/Mass Spectrometry (sfPESI/MS) Coupled with a Touch Sensor. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 418-425.   | 5.2 | 9         |
| 75 | Direct evidence for dynamics of cell heterogeneity in watercored apples: turgor-associated metabolic modifications and within-fruit water potential gradient unveiled by single-cell analyses. <i>Horticulture Research</i> , 2021, 8, 187.                      | 6.3 | 8         |
| 76 | OVERVIEW OF CURRENT MEASUREMENT TECHNIQUES FROM ASPECTS OF PLANT SCIENCE. , 1990, , 7-24.  |     | 8         |
| 77 | Pulsed probe electrospray and nano-electrospray: the temporal profiles of ion formation from the Taylor cone. <i>Analytical Methods</i> , 2017, 9, 4958-4963.  | 2.7 | 7         |
| 78 | Endosperm cell size reduction caused by osmotic adjustment during nighttime warming in rice. <i>Scientific Reports</i> , 2021, 11, 4447.   | 3.3 | 7         |
| 79 | Water Potential Associated with Cell Elongation and Cell Division of Tissue-Cultured Carnation Plants.. <i>Plant Biotechnology</i> , 1999, 16, 115-121.  | 1.0 | 7         |
| 80 | UV-MALDI-TOF MS Analysis of Carbohydrates. Reviewing Comparative Studies Performed Using nor-Harmane and Classical UV-MALDI Matrices. <i>Environmental Control in Biology</i> , 2008, 46, 65-90.   | 0.7 | 6         |
| 81 | Nitrogen incorporation in saturated aliphatic C6â€“C8 hydrocarbons and ethanol in lowâ€“pressure nitrogen plasma generated by a hollow cathode discharge ion source. <i>Journal of Mass Spectrometry</i> , 2016, 51, 446-452.                                    | 1.6 | 6         |
| 82 | Blossom End Rot Tomato Fruit Diagnosis for &lt;i>In Situ&/i> Cell Analyses with Real Time Pico-Pressure Probe Ionization Mass Spectrometry. <i>Environmental Control in Biology</i> , 2017, 55, 41-51.   | 0.7 | 6         |
| 83 | WATER POTENTIAL AND ITS COMPONENTS IN GROWING TISSUES. , 1990, , 101-112.  |     | 5         |
| 84 | Electrospray Generated from the Tip-Sealed Fine Glass Capillary Inserted with an Acupuncture Needle Electrode. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2297-2304.   | 2.8 | 5         |
| 85 | Metabolic coordination of rice seed development to nighttime warming: In-situ determination of cellular redox states using picolitre pressure-probe electrospray-ionization mass spectrometry. <i>Environmental and Experimental Botany</i> , 2021, 188, 104515. | 4.2 | 5         |
| 86 | Development and optimization of an in vitro chloroplastic protein import assay using recombinant proteins. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 541-549.   | 5.8 | 4         |
| 87 | Robotic sheath-flow probe electrospray ionization/mass spectrometry (sfPESI/MS): development of a touch sensor for samples in a multiwell plastic plate. <i>Analytical Methods</i> , 2020, 12, 2812-2819.  | 2.7 | 4         |
| 88 | GROWTH REGULATION IN PLANT FACTORIES AND GREENHOUSES FROM A PHYSIOLOGICAL VIEWPOINT. , 1993, , 303-331.  |     | 4         |
| 89 | Superposition of the Transpiration-induced Water Potential and the Growth-induced Water Potential Associated with Expanding Tomato Leaves. <i>Environmental Control in Biology</i> , 2010, 48, 117-125.  | 0.7 | 4         |
| 90 | Growth-induced Water Potential Regulates Growth of Tissue-cultured Plantlets under Environmental Stresses.. <i>Seibutsu Kankyo Chosetsu [Environment Control in Biology</i> , 1996, 34, 141-146.   | 0.2 | 4         |

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|-----|--|-----|-----------|
| 91  | Hydraulic Conductance Associated with Growth of Flower Stalks, Leaves and Roots in Tulip Plants. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 2004, 42, 193-203.  | 0.2 | 4         |
| 92  | Water Status Measurements in Soil and Roots, Leaves and Stems of Crop Plants. Japanese Journal of Crop Science, 2001, 70, 151-163.   | 0.2 | 3         |
| 93  | Matrix-assisted ultraviolet laser desorption/ionization time-of-flight (LIV-MALDI-TOF) mass spectra of N-acylated and N,O-acylated glycosylamines. Carbohydrate Research, 2007, 342, 2567-2574.  | 2.3 | 3         |
| 94  | Direct Measurements of Cell Turgor and Hydraulic Conductance in Expanding Tulip Tepals. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 2004, 42, 205-215.   | 0.2 | 3         |
| 95  | Growth Promotion with Osmotic Adjustment at Low Water Potentials after H <sub>2</sub> O <sub>2</sub> Pretreatment in Soybean Seeds. Environmental Control in Biology, 2012, 50, 263-276.   | 0.7 | 2         |
| 96  | Detection of Pesticides on Tomato Fruit Surface by Ultraviolet Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Environmental Control in Biology, 2012, 50, 107-116.   | 0.7 | 2         |
| 97  | Phase Changes in Arrhenius Plots on NMR Relaxation Times for Various Organs of Crop Plants Exposed to Temperature Stresses. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 2004, 42, 5-19.  | 0.2 | 2         |
| 98  | The Water Status Measurements Associated with Plant Growth. Environmental Control in Biology, 2007, 45, 201-214.   | 0.7 | 1         |
| 99  | Direct UV-MALDI-TOF MS Analysis of (Glyco)proteins of Fractions of Bovine Seminal Plasma. Environmental Control in Biology, 2007, 45, 267-290.   | 0.7 | 1         |
| 100 | Supporting Expert System for Tomato Cultivation Based on Inference Using Fact Data Base.. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1992, 30, 185-191.   | 0.2 | 1         |
| 101 | Measurement Techniques and Environmental Control in Plant Science.. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1994, 32, 203-217.   | 0.2 | 1         |
| 102 | Dynamics and stabilization mechanism of mitochondrial cristae morphofunction associated with turgor-driven cardiolipin biosynthesis under salt stress conditions. Scientific Reports, 2022, 12, .  | 3.3 | 1         |
| 103 | Ethylenediaminetetraacetic acid (EDTA) as an auxiliary tool in the electrospray ionization mass spectrometry analysis of native and derivatized $\beta$ -cyclodextrins, maltoses, and fructans contaminated with Ca and/or Mg. Journal of the American Society for Mass Spectrometry, 2010, 21, 1526-1529. | 2.8 | 0         |
| 104 | Nanoparticles Applied to Mass Spectrometry Metabolomics and Pesticide Residue Analysis. , 2015, , 289-303.   |     | 0         |
| 105 | A Study of Measurement Techniques in Plant-Water Relationships. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 2001, 39, 325-328.   | 0.2 | 0         |
| 106 | Water Relations in Tissue-cultured Soybean Plants. Environmental Control in Biology, 2007, 45, 215-222.  | 0.7 | 0         |
| 107 | Hydraulic Properties in Tissue-cultured Soybean Roots are Affected by Salt, Sugar and Heavy Metals. Environmental Control in Biology, 2013, 51, 165-172.   | 0.7 | 0         |
| 108 | Report of IFAC/ISHS Workshop on Mathematical and Control Applications in Agriculture and Horticulture. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1992, 30, 45-47.  | 0.2 | 0         |

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|-----|--|-----|-----------|
| 109 | Changes in Activities of .BETA.-N-Acetylhexosaminidase and Chitobiase Developed in Kidney Beans during Maturation and Germination.. Seibutsu Kankyo Chosetsu [Environment Control in Biology, 1997, 35, 1-7. | 0.2 | 0         |
| 110 | Measurement Techniques for Water Stress Analyses. Shokubutsu Kankyo Kogaku, 2019, 31, 73-78.   | 0.1 | 0         |