Raymond L Legge

List of Publications by Year
in descending order

149 papers	6,118 citations	76294 40 h-index	79644 73 g-index
151 all docs	151 docs citations	151 times ranked	5961 citing authors

#	Article	IF	Citations
1	Rapid and non-destructive determination of protein and starch content in agricultural powders using near-infrared and fluorescence spectroscopy, and data fusion. Powder Technology, 2021, 381, 620-631.	2.1	22
2	Evaluation of flow cytometry and chemometric models for monitoring and predicting antigen production at full-scale. Biochemical Engineering Journal, 2021, 175, 108136.	1.8	2
3	Plant protein in material extrusion 3D printing: Formation, plasticization, prospects, and challenges. Journal of Food Engineering, 2021, 308, 110623.	2.7	32
4	Investigation of the effects of oxidative stressâ€inducing factors on culturing and productivity of Bordetella pertussis. Biotechnology Progress, 2020, 36, e2899.	1.3	4
5	Effect of hammer and pin milling on triboelectrostatic separation of legume flour. Powder Technology, 2020, 372, 317-324.	2.1	16
6	Impact of oxidative stress on protein production by Bordetella pertussis for vaccine production. Biochemical Engineering Journal, 2019, 151, 107359.	1.8	1
7	Fluorescence excitation emission matrices for rapid detection of polycyclic aromatic hydrocarbons and pesticides in surface waters. Environmental Science: Water Research and Technology, 2019, 5, 315-324.	1.2	15
8	Towards real-time detection of wastewater in surface waters using fluorescence spectroscopy. Journal of Environmental Sciences, 2019, 86, 195-202.	3.2	7
9	Dry fractionation methods for plant protein, starch and fiber enrichment: A review. Trends in Food Science and Technology, 2019, 86, 340-351.	7.8	88
10	Functional properties of navy bean (Phaseolus vulgaris) protein concentrates obtained by pneumatic tribo-electrostatic separation. Food Chemistry, 2019, 283, 101-110.	4.2	50
11	Neural networks for dimensionality reduction of fluorescence spectra and prediction of drinking water disinfection by-products. Water Research, 2018, 136, 84-94.	5.3	69
12	New insight into the allosteric effect of L-tyrosine on mushroom tyrosinase during L-dopa production. International Journal of Biological Macromolecules, 2018, 114, 821-829.	3.6	9
13	Analysis of protein enrichment during single- and multi-stage tribo-electrostatic bioseparation processes for dry fractionation of legume flour. Separation and Purification Technology, 2017, 176, 48-58.	3.9	46
14	Investigation of ozone and peroxone impacts on natural organic matter character and biofiltration performance using fluorescence spectroscopy. Chemosphere, 2017, 172, 225-233.	4.2	50
15	Optimization of simultaneous production of tyrosinase and laccase by Neurospora crassa. Biocatalysis and Biotransformation, 2017, 35, 1-10.	1.1	2
16	Enhancement of Electricity Generation by a Microbial Fuel Cell Using a Highly Active Non-Precious-Metal Nitrogen-Doped Carbon Composite Catalyst Cathode. Energy & Fuels, 2017, 31, 959-967.	2.5	6
17	Characterization of UF foulants and fouling mechanisms when applying low in-line coagulant pre-treatment. Water Research, 2017, 126, 1-11.	5.3	28
18	Investigation of fluorescence methods for rapid detection of municipal wastewater impact on drinking water sources. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 104-111.	2.0	12

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19	Continuous Organic Characterization for Biological and Membrane Filter Performance Monitoring. Journal - American Water Works Association, 2017, 109, E86.	0.2	5
20	Fluorescence spectroscopy for monitoring reduction of natural organic matter and halogenated furanone precursors by biofiltration. Chemosphere, 2016, 153, 155-161.	4.2	30
21	Physicochemical characterization of a navy bean (Phaseolus vulgaris) protein fraction produced using a solvent-free method. Food Chemistry, 2016, 208, 35-41.	4.2	53
22	Kinetics of natural organic matter (NOM) removal during drinking water biofiltration using different NOM characterization approaches. Water Research, 2016, 104, 361-370.	5.3	49
23	Development and optimization of a triboelectrification bioseparation process for dry fractionation of legume flours. Separation and Purification Technology, 2016, 163, 48-58.	3.9	41
24	Synthesis of a novel class of chromophoric cross-linkers. Journal of the Iranian Chemical Society, 2016, 13, 957-965.	1.2	1
25	Monitoring of an antigen manufacturing process. Bioprocess and Biosystems Engineering, 2016, 39, 855-869.	1.7	7
26	Solvent-free production of protein-enriched fractions from navy bean flour using a triboelectrification-based approach. Journal of Food Engineering, 2016, 174, 21-28.	2.7	52
27	Rapid and direct spectrophotometric method for kinetics studies and routine assay of peroxidase based on aniline diazo substrates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1162-1169.	2.5	9
28	Application of FEEM to Monitoring Membrane Fouling. , 2016, , 101-102.		0
29	Cationâ€assisted adsorption of chlorophenols by nanoâ€xerogels. Canadian Journal of Chemical Engineering, 2015, 93, 2214-2221.	0.9	7
30	Intrinsic fluorescence-basedat situsoft sensor for monitoring monoclonal antibody aggregation. Biotechnology Progress, 2015, 31, 1423-1432.	1.3	20
31	Methyl Oleate Production in a Supported Solâ€“Gel Immobilized Lipase Packed Bed Reactor. Energy & Fuels, 2015, 29, 3168-3175.	2.5	10
32	Development of a softâ€sensor based on multiâ€wavelength fluorescence spectroscopy and a dynamic metabolic model for monitoring mammalian cell cultures. Biotechnology and Bioengineering, 2015, 112, 197-208.	1.7	36
33	Multiphysics modelling of flow dynamics, biofilm development and wastewater treatment in a subsurface vertical flow constructed wetland mesocosm. Ecological Engineering, 2015, 74, 107-116.	1.6	39
34	Application of FEEM to Monitoring Membrane Fouling. , 2015, , 1-2.		0
35	Fluorescenceâ€based soft sensor for at situ monitoring of chinese hamster ovary cell cultures. Biotechnology and Bioengineering, 2014, 111, 1577-1586.	1.7	22
36	Effect of gold nanoparticles and ciprofloxacin on microbial catabolism: a communityâ€based approach. Environmental Toxicology and Chemistry, 2014, 33, 44-51.	2.2	17

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37	Kinetic modelling of the production of methyl oleate by CeliteÂ® supported lipase solâ€“gels. Biochemical Engineering Journal, 2014, 85, 63-70.	1.8	13
38	Pilot-scale investigation of drinking water ultrafiltration membrane fouling rates using advanced data analysis techniques. Water Research, 2014, 48, 508-518.	5.3	63
39	Fouling control and optimization of a drinking water membrane filtration process with real-time model parameter adaptation using fluorescence and permeate flux measurements. Journal of Process Control, 2013, 23, 70-77.	1.7	12
40	Assessing the role of feed water constituents in irreversible membrane fouling of pilot-scale ultrafiltration drinking water treatment systems. Water Research, 2013, 47, 3364-3374.	5.3	94
41	Comparison of the catabolic activity and catabolic profiles of rhizospheric, gravel-associated and interstitial microbial communities in treatment wetlands. Water Science and Technology, 2013, 67, 886-893.	1.2	29
42	Study of support materials for sol-gel immobilized lipase. Biocatalysis and Biotransformation, 2013, 31, 190-196.	1.1	6
43	Characterization of hydraulically reversible and irreversible fouling species in ultrafiltration drinking water treatment systems using fluorescence EEM and LCâ€“OCD measurements. Water Science and Technology: Water Supply, 2013, 13, 1220-1227.	1.0	3
44	Characterizing natural colloidal/particulateâ€“protein interactions using fluorescence-based techniques and principal component analysis. Talanta, 2012, 99, 457-463.	2.9	8
45	Antibiotic resistance profiles of representative wetland bacteria and faecal indicators following ciprofloxacin exposure in lab-scale constructed mesocosms. Ecological Engineering, 2012, 39, 113-122.	1.6	28
46	Problem-solving and concept integration using a computational tool in first-year undergraduate chemical engineering. Education for Chemical Engineers, 2012, 7, e133-e138.	2.8	5
47	Combined MBBRâ€MF for industrial wastewater treatment. Environmental Progress and Sustainable Energy, 2012, 31, 288-295.	1.3	5
48	Fluorescenceâ€based fouling prediction and optimization of a membrane filtration process for drinking water treatment. AICHE Journal, 2012, 58, 1475-1486.	1.8	12
49	Medium engineering to enhance mushroom tyrosinase stability. Biochemical Engineering Journal, 2012, 60, 99-105.	1.8	5
50	Evaluation of diatomaceous earth supported lipase solâ€“gels as a medium for enzymatic transesterification of biodiesel. Journal of Molecular Catalysis B: Enzymatic, 2012, 77, 92-97.	1.8	17
51	Direct Spectrophotometric Assay of Laccase Using Diazo Derivatives of Guaiacol. Analytical Chemistry, 2011, 83, 4200-4205.	3.2	19
52	Effect of ciprofloxacin on microbiological development in wetland mesocosms. Water Research, 2011, 45, 3185-3196.	5.3	67
53	Reversible and irreversible low-pressure membrane foulants in drinking water treatment: Identification by principal component analysis of fluorescence EEM and mitigation by biofiltration pretreatment. Water Research, 2011, 45, 5161-5170.	5.3	132
54	Evaluation of fluorescence excitationâ€“emission and LC-OCD as methods of detecting removal of NOM and DBP precursors by enhanced coagulation. Water Science and Technology: Water Supply, 2011, 11, 621-630.	1.0	27

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55	Assessing irreversible fouling behavior of membrane foulants in the ultrafiltration of natural water using principal component analysis of fluorescence excitation-emission matrices. Water Science and Technology: Water Supply, 2011, 11, 179-185.	1.0	8
56	Edible wheat gluten (WG) protein films. Journal of Thermal Analysis and Calorimetry, 2011, 104, 929-936.	2.0	88
57	Dynamics in the bacterial community-level physiological profiles and hydrological characteristics of constructed wetland mesocosms during start-up. Ecological Engineering, 2011, 37, 666-677.	1.6	67
58	Development of a species specific fouling index using principal component analysis of fluorescence excitationâ€“emission matrices for the ultrafiltration of natural water and drinking water production. Journal of Membrane Science, 2011, 378, 257-264.	4.1	16
59	Identification of humic acid-like and fulvic acid-like natural organic matter in river water using fluorescence spectroscopy. Water Science and Technology, 2011, 63, 2427-2433.	1.2	17
60	Monitoring the fractionation of a whey protein isolate during deadâ€end membrane filtration using fluorescence and chemometric methods. Biotechnology Progress, 2010, 26, 168-178.	1.3	11
61	Evaluation of diatomaceous earth as a support for solâ€“gel immobilized lipase for transesterification. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 53-57.	1.8	36
62	Probing protein colloidal behavior in membraneâ€based separation processes using spectrofluorometric Rayleigh scattering data. Biotechnology Progress, 2010, 26, 772-780.	1.3	6
63	Understanding fouling behaviour of ultrafiltration membrane processes and natural water using principal component analysis of fluorescence excitation-emission matrices. Journal of Membrane Science, 2010, 357, 62-72.	4.1	69
64	Community-Level Physiological Profiling. Methods in Molecular Biology, 2010, 599, 263-281.	0.4	53
65	Method for the detachment of culturable bacteria from wetland gravel. Journal of Microbiological Methods, 2010, 80, 242-250.	0.7	34
66	Identifying fouling events in a membrane-based drinking water treatment process using principal component analysis of fluorescence excitation-emission matrices. Water Research, 2010, 44, 185-194.	5.3	176
67	Influence of the Microbial Community in the Treatment of Acidic Iron-Rich Water in Aerobic Wetland Mesocosms. Bioremediation Journal, 2010, 14, 28-37.	1.0	11
68	Acquiring reproducible fluorescence spectra of dissolved organic matter at very low concentrations. Water Science and Technology, 2009, 60, 1385-1392.	1.2	25
69	Adsorption of phenolic compounds on some hybrid xerogels. Chemical Engineering Journal, 2009, 150, 1-7.	6.6	20
70	Preparation and methodology for chemical mapping of solâ€“gel thin films containing lysozyme. Journal of Sol-Gel Science and Technology, 2009, 50, 77-86.	1.1	8
71	Effect of solâ€“gel hydrophobicity on the distribution and structure of different proteins in organically modified solâ€“gel thin films. Journal of Sol-Gel Science and Technology, 2009, 52, 370-381.	1.1	4
72	One-dimensional metric for tracking bacterial community divergence using sole carbon source utilization patterns. Journal of Microbiological Methods, 2009, 79, 55-61.	0.7	137

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73	Recent developments in biodegradation of industrial pollutants by white rot fungi and their enzyme system. Biodegradation, 2008, 19, 771-783.	1.5	399
74	Fluorescenceâ€based softâ€sensor for monitoring Î²â€lactoglobulin and Î±â€lactalbumin solubility during thermal aggregation. Biotechnology and Bioengineering, 2008, 99, 567-577.	1.7	4
75	A paleolimnological perspective on industrial-era metal pollution in the central Andes, Peru. Science of the Total Environment, 2008, 393, 262-272.	3.9	25
76	Assessment of changes in the microbial community of constructed wetland mesocosms in response to acid mine drainage exposure. Water Research, 2008, 42, 180-188.	5.3	80
77	Detachment of Solids and Nitrifiers in Integrated, Fixedâ€Film Activated Sludge Systems. Water Environment Research, 2008, 80, 2202-2208.	1.3	6
78	Oxygen Uptake Rate Tests to Evaluate Integrated Fixed Film Activated Sludge Processes. Water Environment Research, 2008, 80, 2276-2283.	1.3	9
79	Adsorption of Streptococcus faecalis on diatomite carriers for use in biotransformations. Journal of Chemical Technology and Biotechnology, 2007, 47, 93-100.	1.6	12
80	Data transformations in the analysis of community-level substrate utilization data from microplates. Journal of Microbiological Methods, 2007, 69, 461-469.	0.7	99
81	Enhanced aqueous solubilization of tetrachloroethylene by a rhamnolipid biosurfactant. Journal of Colloid and Interface Science, 2007, 305, 361-365.	5.0	43
82	Tracers for investigating pathogen fate and removal mechanisms in mesocosms. Science of the Total Environment, 2007, 380, 188-195.	3.9	13
83	Activity of hydroperoxide lyase under aqueous and micro-aqueous conditions. Journal of Molecular Catalysis B: Enzymatic, 2007, 44, 32-38.	1.8	3
84	Hyperactivation and thermostabilization of Phanerochaete chrysosporium lignin peroxidase by immobilization in xerogels. World Journal of Microbiology and Biotechnology, 2007, 23, 525-531.	1.7	25
85	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. Biodegradation, 2007, 18, 311-316.	1.5	61
86	A thermostable Î±-amylase from a moderately thermophilic Bacillus subtilis strain for starch processing. Journal of Food Engineering, 2007, 79, 950-955.	2.7	216
87	Oxygen Uptake Rate Tests to Evaluate Integrated Fixed Film Activated Sludge Processes. Proceedings of the Water Environment Federation, 2006, 2006, 4914-4926.	0.0	2
88	Immobilization of bovine catalase in solâ€“gels. Enzyme and Microbial Technology, 2006, 39, 626-633.	1.6	47
89	Decolorization of Some Reactive Textile Dyes by White Rot Fungi Isolated in Pakistan. World Journal of Microbiology and Biotechnology, 2006, 22, 89-93.	1.7	51
90	Purification and Characterization of a Xylanase Produced by Chaetomium thermophile NIBGE. World Journal of Microbiology and Biotechnology, 2006, 22, 45-50.	1.7	20

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91	Enhanced lignin peroxidase synthesis by Phanerochaete Chrysosporium in solid state bioprocessing of a lignocellulosic substrate. World Journal of Microbiology and Biotechnology, 2006, 22, 449-453.	1.7	51
92	Biodegradation kinetics of 2,4,6-Trichlorophenol by an acclimated mixed microbial culture under aerobic conditions. Biodegradation, 2006, 17, 535-544.	1.5	31
93	Effect of nonionic surfactant partitioning on the dissolution kinetics of residual perchloroethylene in a model porous medium. Journal of Contaminant Hydrology, 2006, 82, 145-164.	1.6	21
94	Fluorescence spectroscopy as a tool for monitoring solubility and aggregation behavior of Î²-lactoglobulin after heat treatment. Biotechnology and Bioengineering, 2006, 95, 863-874.	1.7	21
95	Effect of NaCl and peptide concentration on the self-assembly of an ionic-complementary peptide EAK16-II. Colloids and Surfaces B: Biointerfaces, 2005, 46, 152-161.	2.5	65
96	Use of water to evaluate hydrophobicity of organically-modified xerogel enzyme supports. Biotechnology and Bioengineering, 2005, 92, 231-237.	1.7	24
97	Application of spectrofluorometry to the prediction of PHB concentrations in a fed-batch process. Bioprocess and Biosystems Engineering, 2005, 27, 359-364.	1.7	8
98	Removal of aqueous phenol using immobilized enzymes in a bench scale and pilot scale three-phase fluidized bed reactor. Bioprocess and Biosystems Engineering, 2005, 27, 185-191.	1.7	44
99	Hyperactivation ofRhizomucor miehei lipase by hydrophobic xerogels. Biotechnology and Bioengineering, 2004, 85, 647-655.	1.7	33
100	CRITICAL SELF-ASSEMBLY CONCENTRATION OF AN IONIC-COMPLEMENTARY PEPTIDE EAK16-I. Journal of Adhesion, 2004, 80, 913-931.	1.8	39
101	Evaluation of spectrofluorometry as a tool for estimation in fed-batch fermentations. Biotechnology and Bioengineering, 2003, 83, 104-111.	1.7	35
102	Use of a plant-derived enzyme template for the production of the green-note volatile hexanal. Biotechnology and Bioengineering, 2003, 84, 265-273.	1.7	27
103	Effect of Amino Acid Sequence and pH on Nanofiber Formation of Self-Assembling Peptides EAK16-II and EAK16-IV. Biomacromolecules, 2003, 4, 1433-1442.	2.6	228
104	Surfactant-enhanced dissolution under conditions of surfactant partitioning between water and NAPL: Micromodel experiments and modeling implications. Developments in Water Science, 2002, 47, 875-882.	0.1	0
105	Comparative study of black-box and hybrid estimation methods in fed-batch fermentation. Journal of Process Control, 2002, 12, 113-121.	1.7	93
106	Analysis of semi-volatile organics in aqueous process streams using solid-phase microextraction and gas chromatography. Journal of Environmental Management, 2001, 5, 81-90.	1.7	2
107	Challenges in the isolation of taxanes from Taxus canadensis by fast pyrolysis. Journal of Analytical and Applied Pyrolysis, 2001, 57, 275-285.	2.6	2
108	Fragrance volatiles of developing and senescing carnation flowers. Phytochemistry, 2001, 56, 703-710.	1.4	65

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109	Effects of supercritical CO2 exposure and depressurization on immobilized lipase activity. Biotechnology Letters, 2001, 23, 1863-1870.	1.1	9
110	Production of tomato flavor volatiles from a crude enzyme preparation using a hollow-fiber reactor. , 2000, 67, 372-377.		18
111	ON-LINE ESTIMATION IN BIOREACTORS: A REVIEW. Reviews in Chemical Engineering, 2000, 16, .	2.3	20
112	Temperature effects on wastewater treatment under aerobic and anoxic conditions. Water Research, 2000, 34, 2263-2276.	5.3	31
113	Determination of taxane concentrations in Taxus canadensis clippings using high performance liquid chromatographic analysis with an internal standard. , 1999, 10, 88-92.		8
114	Characterization and Regulation of Catabolic Genes. Critical Reviews in Microbiology, 1999, 25, 245-273.	2.7	18
115	Application of multi-wavelength fluorometry for monitoring wastewater treatment process dynamics. Water Research, 1996, 30, 2941-2948.	5.3	40
116	Immobilization of tyrosinase for use in nonaqueous media: Enzyme deactivation phenomena. Biotechnology Letters, 1995, 9, 471-476.	0.5	11
117	Development of Liquid Membrane Pertraction for the Removal and Recovery of Chromium from Aqueous Effluents. Separation Science and Technology, 1994, 29, 2097-2116.	1.3	31
118	Chemistry of Cr(VI) Solvent Extraction Using Tri-n-octylamine. Separation Science and Technology, 1994, 29, 535-542.	1.3	13
119	Microbial utilization of levoglucosan in wood pyrolysate as a carbon and energy source. Biotechnology and Bioengineering, 1993, 42, 538-541.	1.7	89
120	Reaction Kinetics and Modelling of a Coupled Reaction System for the Production of Norlaudanosoline from Dopamine. Biocatalysis, 1993, 7, 117-129.	0.9	0
121	Development of a multienzyme reactor for dopamine synthesis: I. Enzymology and kinetics. Biotechnology and Bioengineering, 1992, 39, 781-789.	1.7	15
122	Development of a multienzyme reactor for dopamine synthesis: II. Reactor engineering and simulation. Biotechnology and Bioengineering, 1992, 40, 388-395.	1.7	9
123	Application of a bayesian regression method to the estimation of diffusivity in hydrophilic gels. Canadian Journal of Chemical Engineering, 1992, 70, 499-504.	0.9	5
124	Partitioning of Water During the Production of Terpene Esters Using Immobilized Lipase. Progress in Biotechnology, 1992, , 475-482.	0.2	12
125	Enhanced biodegradation of phenanthrene in oil tar-contaminated soils supplemented with Phanerochaete chrysosporium. Applied and Environmental Microbiology, 1992, 58, 3117-3121.	1.4	130
126	Alterations in membrane protein conformation in response to senescence-related changes. Phytochemistry, 1991, 30, 63-68.	1.4	28

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127	Biotransformation of dopamine to norlaudanosoline byAspergillus niger. Biotechnology and Bioengineering, 1991, 38, 1029-1033.	1.7	14
128	The scale-up of plant cell culture: Engineering considerations. Plant Cell, Tissue and Organ Culture, 1991, 24, 139-158.	1.2	65
129	Lipid Breakdown in Smooth Microsomal Membranes from Bean Cotyledons Alters Membrane Proteins and Induces Proteolysis. Journal of Experimental Botany, 1991, 42, 103-112.	2.4	13
130	Application of process mass spectroscopy to the detection of metabolic changes in plant tissue culture. Plant Cell, Tissue and Organ Culture, 1991, 25, 219-224.	1.2	11
131	Effect of bioreactor configuration on substrate uptake by cell suspension cultures of the plant Eschscholtzia californica. Applied Microbiology and Biotechnology, 1990, 33, 280-286.	1.7	36
132	Heat-denaturation kinetics of lignin peroxidases from Phanerochaete chrysosporium. Enzyme and Microbial Technology, 1990, 12, 778-782.	1.6	17
133	Microbial cellulose as a speciality chemical. Biotechnology Advances, 1990, 8, 303-319.	6.0	21
134	Production of morphine alkaloids: (S)-norlaudanosoline, a key intermediate. Enzyme and Microbial Technology, 1988, 10, 219-226.	1.6	7
135	Modification of protoplast cell wall regeneration by membrane perturbation. Protoplasma, 1988, 143, 38-42.	1.0	17
136	Optimization of growth conditions for the induction of tyrosine decarboxylase inStreptococcus faecalis. Biotechnology Letters, 1987, 9, 685-690.	1.1	10
137	THE ROLE OF FREE RADICALS IN SENESCENCE AND WOUNDING. New Phytologist, 1987, 105, 317-344.	3.5	539
138	Radical scavenging properties of polyamines. Phytochemistry, 1986, 25, 367-371.	1.4	303
139	THE EFFECTS OF SELECTED INHIBITORS ON CELLULOSE MICROFIBRIL ASSEMBLY IN BOERGESENIA FORBESII (CHLOROPHYTA) PROTOPLASTS. Journal of Phycology, 1986, 22, 224-233.	1.0	9
140	Differential Effects of Senescence on the Molecular Organization of Membranes in Ripening Tomato Fruit. Plant Physiology, 1986, 81, 954-959.	2.3	34
141	Ethylene Binding to Senescing Carnation Petals. Journal of Experimental Botany, 1986, 37, 526-534.	2.4	28
142	THE EFFECTS OF SELECTED INHIBITORS ON CELLULOSE MICROFIBRIL ASSEMBLY IN BOERGESENIA FORBESII (CHLOROPHYTA) PROTOPLASTS. Journal of Phycology, 1986, 22, 224-233.	1.0	11
143	Reversed-phase C18 high-performance liquid chromatography of acidic and conjugated gibberellins. Journal of Chromatography A, 1983, 256, 101-115.	1.8	103
144	Superoxide radical production by microsomal membranes from senescing carnation flowers: an effect on membrane fluidity. Phytochemistry, 1983, 22, 1375-1380.	1.4	88

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145	Involvement of hydroperoxides and an ACC-derived free radical in the formation of ethylene. Phytochemistry, 1983, 22, 2161-2166.	1.4	34
146	Bicarbonate/CO₂-Facilitated Conversion of 1-Amino-cyclopropane-1-carboxylic Acid to Ethylene in Model Systems and Intact Tissues. Plant Physiology, 1983, 73, 784-790.	2.3	38
147	Sequential Changes in Lipid Fluidity and Phase Properties of Microsomal Membranes from Senescing Rose Petals. Journal of Experimental Botany, 1982, 33, 303-312.	2.4	29
148	Ethylene formation from 1-aminocyclopropane-1-carboxylic acid by microsomal membranes from senescing carnation flowers. Planta, 1981, 153, 49-55.	1.6	80
149	Changes in Endogenous Gibberellins and the Metabolism of [3H]GA4 after Geostimulation in Shoots of the Oat Plant (Avena sativa). Plant Physiology, 1981, 67, 892-897.	2.3	26