

# Raymond L Legge

## List of Publications by Year in descending order

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149  
papers

6,118  
citations

76294

40  
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79644

73  
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151  
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151  
docs citations

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times ranked

5961  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ROLE OF FREE RADICALS IN SENESCENCE AND WOUNDING. <i>New Phytologist</i> , 1987, 105, 317-344.	3.5	539
2	Recent developments in biodegradation of industrial pollutants by white rot fungi and their enzyme system. <i>Biodegradation</i> , 2008, 19, 771-783.	1.5	399
3	Radical scavenging properties of polyamines. <i>Phytochemistry</i> , 1986, 25, 367-371.	1.4	303
4	Effect of Amino Acid Sequence and pH on Nanofiber Formation of Self-Assembling Peptides EAK16-II and EAK16-IV. <i>Biomacromolecules</i> , 2003, 4, 1433-1442.	2.6	228
5	A thermostable $\alpha$ -amylase from a moderately thermophilic <i>Bacillus subtilis</i> strain for starch processing. <i>Journal of Food Engineering</i> , 2007, 79, 950-955.	2.7	216
6	Identifying fouling events in a membrane-based drinking water treatment process using principal component analysis of fluorescence excitation-emission matrices. <i>Water Research</i> , 2010, 44, 185-194.	5.3	176
7	One-dimensional metric for tracking bacterial community divergence using sole carbon source utilization patterns. <i>Journal of Microbiological Methods</i> , 2009, 79, 55-61.	0.7	137
8	Reversible and irreversible low-pressure membrane foulants in drinking water treatment: Identification by principal component analysis of fluorescence EEM and mitigation by biofiltration pretreatment. <i>Water Research</i> , 2011, 45, 5161-5170.	5.3	132
9	Enhanced biodegradation of phenanthrene in oil tar-contaminated soils supplemented with <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1992, 58, 3117-3121.	1.4	130
10	Reversed-phase C18 high-performance liquid chromatography of acidic and conjugated gibberellins. <i>Journal of Chromatography A</i> , 1983, 256, 101-115.	1.8	103
11	Data transformations in the analysis of community-level substrate utilization data from microplates. <i>Journal of Microbiological Methods</i> , 2007, 69, 461-469.	0.7	99
12	Assessing the role of feed water constituents in irreversible membrane fouling of pilot-scale ultrafiltration drinking water treatment systems. <i>Water Research</i> , 2013, 47, 3364-3374.	5.3	94
13	Comparative study of black-box and hybrid estimation methods in fed-batch fermentation. <i>Journal of Process Control</i> , 2002, 12, 113-121.	1.7	93
14	Microbial utilization of levoglucosan in wood pyrolysate as a carbon and energy source. <i>Biotechnology and Bioengineering</i> , 1993, 42, 538-541.	1.7	89
15	Superoxide radical production by microsomal membranes from senescing carnation flowers: an effect on membrane fluidity. <i>Phytochemistry</i> , 1983, 22, 1375-1380.	1.4	88
16	Edible wheat gluten (WG) protein films. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 929-936.	2.0	88
17	Dry fractionation methods for plant protein, starch and fiber enrichment: A review. <i>Trends in Food Science and Technology</i> , 2019, 86, 340-351.	7.8	88
18	Ethylene formation from 1-aminocyclopropane-1-carboxylic acid by microsomal membranes from senescing carnation flowers. <i>Planta</i> , 1981, 153, 49-55.	1.6	80

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19	Assessment of changes in the microbial community of constructed wetland mesocosms in response to acid mine drainage exposure. <i>Water Research</i> , 2008, 42, 180-188.	5.3	80
20	Understanding fouling behaviour of ultrafiltration membrane processes and natural water using principal component analysis of fluorescence excitation-emission matrices. <i>Journal of Membrane Science</i> , 2010, 357, 62-72.	4.1	69
21	Neural networks for dimensionality reduction of fluorescence spectra and prediction of drinking water disinfection by-products. <i>Water Research</i> , 2018, 136, 84-94.	5.3	69
22	Effect of ciprofloxacin on microbiological development in wetland mesocosms. <i>Water Research</i> , 2011, 45, 3185-3196.	5.3	67
23	Dynamics in the bacterial community-level physiological profiles and hydrological characteristics of constructed wetland mesocosms during start-up. <i>Ecological Engineering</i> , 2011, 37, 666-677.	1.6	67
24	The scale-up of plant cell culture: Engineering considerations. <i>Plant Cell, Tissue and Organ Culture</i> , 1991, 24, 139-158.	1.2	65
25	Fragrance volatiles of developing and senescing carnation flowers. <i>Phytochemistry</i> , 2001, 56, 703-710.	1.4	65
26	Effect of NaCl and peptide concentration on the self-assembly of an ionic-complementary peptide EAK16-II. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 46, 152-161.	2.5	65
27	Pilot-scale investigation of drinking water ultrafiltration membrane fouling rates using advanced data analysis techniques. <i>Water Research</i> , 2014, 48, 508-518.	5.3	63
28	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. <i>Biodegradation</i> , 2007, 18, 311-316.	1.5	61
29	Community-Level Physiological Profiling. <i>Methods in Molecular Biology</i> , 2010, 599, 263-281.	0.4	53
30	Physicochemical characterization of a navy bean ( <i>Phaseolus vulgaris</i> ) protein fraction produced using a solvent-free method. <i>Food Chemistry</i> , 2016, 208, 35-41.	4.2	53
31	Solvent-free production of protein-enriched fractions from navy bean flour using a triboelectrification-based approach. <i>Journal of Food Engineering</i> , 2016, 174, 21-28.	2.7	52
32	Decolorization of Some Reactive Textile Dyes by White Rot Fungi Isolated in Pakistan. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 89-93.	1.7	51
33	Enhanced lignin peroxidase synthesis by Phanerochaete Chrysosporium in solid state bioprocessing of a lignocellulosic substrate. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 449-453.	1.7	51
34	Investigation of ozone and peroxone impacts on natural organic matter character and biofiltration performance using fluorescence spectroscopy. <i>Chemosphere</i> , 2017, 172, 225-233.	4.2	50
35	Functional properties of navy bean ( <i>Phaseolus vulgaris</i> ) protein concentrates obtained by pneumatic tribo-electrostatic separation. <i>Food Chemistry</i> , 2019, 283, 101-110.	4.2	50
36	Kinetics of natural organic matter (NOM) removal during drinking water biofiltration using different NOM characterization approaches. <i>Water Research</i> , 2016, 104, 361-370.	5.3	49

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37	Immobilization of bovine catalase in solâ€“gels. <i>Enzyme and Microbial Technology</i> , 2006, 39, 626-633.	1.6	47
38	Analysis of protein enrichment during single- and multi-stage tribo-electrostatic bioseparation processes for dry fractionation of legume flour. <i>Separation and Purification Technology</i> , 2017, 176, 48-58.	3.9	46
39	Removal of aqueous phenol using immobilized enzymes in a bench scale and pilot scale three-phase fluidized bed reactor. <i>Bioprocess and Biosystems Engineering</i> , 2005, 27, 185-191.	1.7	44
40	Enhanced aqueous solubilization of tetrachloroethylene by a rhamnolipid biosurfactant. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 361-365.	5.0	43
41	Development and optimization of a triboelectrification bioseparation process for dry fractionation of legume flours. <i>Separation and Purification Technology</i> , 2016, 163, 48-58.	3.9	41
42	Application of multi-wavelength fluorometry for monitoring wastewater treatment process dynamics. <i>Water Research</i> , 1996, 30, 2941-2948.	5.3	40
43	CRITICAL SELF-ASSEMBLY CONCENTRATION OF AN IONIC-COMPLEMENTARY PEPTIDE EAK16-I. <i>Journal of Adhesion</i> , 2004, 80, 913-931.	1.8	39
44	Multiphysics modelling of flow dynamics, biofilm development and wastewater treatment in a subsurface vertical flow constructed wetland mesocosm. <i>Ecological Engineering</i> , 2015, 74, 107-116.	1.6	39
45	Bicarbonate/CO <sub>2</sub> -Facilitated Conversion of 1-Amino-cyclopropane-1-carboxylic Acid to Ethylene in Model Systems and Intact Tissues. <i>Plant Physiology</i> , 1983, 73, 784-790.	2.3	38
46	Effect of bioreactor configuration on substrate uptake by cell suspension cultures of the plant <i>Eschscholtzia californica</i> . <i>Applied Microbiology and Biotechnology</i> , 1990, 33, 280-286.	1.7	36
47	Evaluation of diatomaceous earth as a support for solâ€“gel immobilized lipase for transesterification. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 53-57.	1.8	36
48	Development of a softâ€“sensor based on multiâ€“wavelength fluorescence spectroscopy and a dynamic metabolic model for monitoring mammalian cell cultures. <i>Biotechnology and Bioengineering</i> , 2015, 112, 197-208.	1.7	36
49	Evaluation of spectrofluorometry as a tool for estimation in fed-batch fermentations. <i>Biotechnology and Bioengineering</i> , 2003, 83, 104-111.	1.7	35
50	Involvement of hydroperoxides and an ACC-derived free radical in the formation of ethylene. <i>Phytochemistry</i> , 1983, 22, 2161-2166.	1.4	34
51	Differential Effects of Senescence on the Molecular Organization of Membranes in Ripening Tomato Fruit. <i>Plant Physiology</i> , 1986, 81, 954-959.	2.3	34
52	Method for the detachment of culturable bacteria from wetland gravel. <i>Journal of Microbiological Methods</i> , 2010, 80, 242-250.	0.7	34
53	Hyperactivation of <i>Rhizomucor miehei</i> lipase by hydrophobic xerogels. <i>Biotechnology and Bioengineering</i> , 2004, 85, 647-655.	1.7	33
54	Plant protein in material extrusion 3D printing: Formation, plasticization, prospects, and challenges. <i>Journal of Food Engineering</i> , 2021, 308, 110623.	2.7	32

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55	Development of Liquid Membrane Pertraction for the Removal and Recovery of Chromium from Aqueous Effluents. <i>Separation Science and Technology</i> , 1994, 29, 2097-2116.	1.3	31
56	Temperature effects on wastewater treatment under aerobic and anoxic conditions. <i>Water Research</i> , 2000, 34, 2263-2276.	5.3	31
57	Biodegradation kinetics of 2,4,6-Trichlorophenol by an acclimated mixed microbial culture under aerobic conditions. <i>Biodegradation</i> , 2006, 17, 535-544.	1.5	31
58	Fluorescence spectroscopy for monitoring reduction of natural organic matter and halogenated furanone precursors by biofiltration. <i>Chemosphere</i> , 2016, 153, 155-161.	4.2	30
59	Sequential Changes in Lipid Fluidity and Phase Properties of Microsomal Membranes from Senescing Rose Petals. <i>Journal of Experimental Botany</i> , 1982, 33, 303-312.	2.4	29
60	Comparison of the catabolic activity and catabolic profiles of rhizospheric, gravel-associated and interstitial microbial communities in treatment wetlands. <i>Water Science and Technology</i> , 2013, 67, 886-893.	1.2	29
61	Ethylene Binding to Senescing Carnation Petals. <i>Journal of Experimental Botany</i> , 1986, 37, 526-534.	2.4	28
62	Alterations in membrane protein conformation in response to senescence-related changes. <i>Phytochemistry</i> , 1991, 30, 63-68.	1.4	28
63	Antibiotic resistance profiles of representative wetland bacteria and faecal indicators following ciprofloxacin exposure in lab-scale constructed mesocosms. <i>Ecological Engineering</i> , 2012, 39, 113-122.	1.6	28
64	Characterization of UF foulants and fouling mechanisms when applying low in-line coagulant pre-treatment. <i>Water Research</i> , 2017, 126, 1-11.	5.3	28
65	Use of a plant-derived enzyme template for the production of the green-note volatile hexanal. <i>Biotechnology and Bioengineering</i> , 2003, 84, 265-273.	1.7	27
66	Evaluation of fluorescence excitation-emission and LC-OCD as methods of detecting removal of NOM and DBP precursors by enhanced coagulation. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 621-630.	1.0	27
67	Changes in Endogenous Gibberellins and the Metabolism of [3H]GA4 after Geostimulation in Shoots of the Oat Plant ( <i>Avena sativa</i> ). <i>Plant Physiology</i> , 1981, 67, 892-897.	2.3	26
68	Hyperactivation and thermostabilization of <i>Phanerochaete chrysosporium</i> lignin peroxidase by immobilization in xerogels. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 525-531.	1.7	25
69	A paleolimnological perspective on industrial-era metal pollution in the central Andes, Peru. <i>Science of the Total Environment</i> , 2008, 393, 262-272.	3.9	25
70	Acquiring reproducible fluorescence spectra of dissolved organic matter at very low concentrations. <i>Water Science and Technology</i> , 2009, 60, 1385-1392.	1.2	25
71	Use of water to evaluate hydrophobicity of organically-modified xerogel enzyme supports. <i>Biotechnology and Bioengineering</i> , 2005, 92, 231-237.	1.7	24
72	Fluorescence-based soft sensor for at situ monitoring of chinese hamster ovary cell cultures. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1577-1586.	1.7	22

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73	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
74	Microbial cellulose as a speciality chemical. Biotechnology Advances, 1990, 8, 303-319.	6.0	21
75	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
76	Fluorescence spectroscopy as a tool for monitoring solubility and aggregation behavior of $\beta$ -lactoglobulin after heat treatment. Biotechnology and Bioengineering, 2006, 95, 863-874.	1.7	21
77	ON-LINE ESTIMATION IN BIOREACTORS: A REVIEW. Reviews in Chemical Engineering, 2000, 16, .	2.3	20
78	Purification and Characterization of a Xylanase Produced by Chaetomium thermophile NIBGE. World Journal of Microbiology and Biotechnology, 2006, 22, 45-50.	1.7	20
79	Adsorption of phenolic compounds on some hybrid xerogels. Chemical Engineering Journal, 2009, 150, 1-7.	6.6	20
80	Intrinsic fluorescence-based <i>in situ</i> soft sensor for monitoring monoclonal antibody aggregation. Biotechnology Progress, 2015, 31, 1423-1432.	1.3	20
81	Direct Spectrophotometric Assay of Laccase Using Diazo Derivatives of Guaiacol. Analytical Chemistry, 2011, 83, 4200-4205.	3.2	19
82	Characterization and Regulation of Catabolic Genes. Critical Reviews in Microbiology, 1999, 25, 245-273.	2.7	18
83	Production of tomato flavor volatiles from a crude enzyme preparation using a hollow-fiber reactor. , 2000, 67, 372-377.		18
84	Modification of protoplast cell wall regeneration by membrane perturbation. Protoplasma, 1988, 143, 38-42.	1.0	17
85	Heat-denaturation kinetics of lignin peroxidases from Phanerochaete chrysosporium. Enzyme and Microbial Technology, 1990, 12, 778-782.	1.6	17
86	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
87	Evaluation of diatomaceous earth supported lipase sol-gels as a medium for enzymatic transesterification of biodiesel. Journal of Molecular Catalysis B: Enzymatic, 2012, 77, 92-97.	1.8	17
88	Effect of gold nanoparticles and ciprofloxacin on microbial catabolism: a community-based approach. Environmental Toxicology and Chemistry, 2014, 33, 44-51.	2.2	17
89	Development of a species specific fouling index using principal component analysis of fluorescence excitation-emission matrices for the ultrafiltration of natural water and drinking water production. Journal of Membrane Science, 2011, 378, 257-264.	4.1	16
90	Effect of hammer and pin milling on triboelectrostatic separation of legume flour. Powder Technology, 2020, 372, 317-324.	2.1	16

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91	Development of a multienzyme reactor for dopamine synthesis: I. Enzymology and kinetics. <i>Biotechnology and Bioengineering</i> , 1992, 39, 781-789.	1.7	15
92	Fluorescence excitation emission matrices for rapid detection of polycyclic aromatic hydrocarbons and pesticides in surface waters. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 315-324.	1.2	15
93	Biotransformation of dopamine to norlaudanosoline by <i>Aspergillus niger</i> . <i>Biotechnology and Bioengineering</i> , 1991, 38, 1029-1033.	1.7	14
94	Lipid Breakdown in Smooth Microsomal Membranes from Bean Cotyledons Alters Membrane Proteins and Induces Proteolysis. <i>Journal of Experimental Botany</i> , 1991, 42, 103-112.	2.4	13
95	Chemistry of Cr(VI) Solvent Extraction Using Tri- <i>n</i> -octylamine. <i>Separation Science and Technology</i> , 1994, 29, 535-542.	1.3	13
96	Tracers for investigating pathogen fate and removal mechanisms in mesocosms. <i>Science of the Total Environment</i> , 2007, 380, 188-195.	3.9	13
97	Kinetic modelling of the production of methyl oleate by Celite® supported lipase sol-gels. <i>Biochemical Engineering Journal</i> , 2014, 85, 63-70.	1.8	13
98	Adsorption of <i>Streptococcus faecalis</i> on diatomite carriers for use in biotransformations. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 47, 93-100.	1.6	12
99	Fluorescence-based fouling prediction and optimization of a membrane filtration process for drinking water treatment. <i>AIChE Journal</i> , 2012, 58, 1475-1486.	1.8	12
100	Fouling control and optimization of a drinking water membrane filtration process with real-time model parameter adaptation using fluorescence and permeate flux measurements. <i>Journal of Process Control</i> , 2013, 23, 70-77.	1.7	12
101	Investigation of fluorescence methods for rapid detection of municipal wastewater impact on drinking water sources. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 104-111.	2.0	12
102	Partitioning of Water During the Production of Terpene Esters Using Immobilized Lipase. <i>Progress in Biotechnology</i> , 1992, , 475-482.	0.2	12
103	Immobilization of tyrosinase for use in nonaqueous media: Enzyme deactivation phenomena. <i>Biotechnology Letters</i> , 1995, 9, 471-476.	0.5	11
104	Monitoring the fractionation of a whey protein isolate during dead-end membrane filtration using fluorescence and chemometric methods. <i>Biotechnology Progress</i> , 2010, 26, 168-178.	1.3	11
105	Influence of the Microbial Community in the Treatment of Acidic Iron-Rich Water in Aerobic Wetland Mesocosms. <i>Bioremediation Journal</i> , 2010, 14, 28-37.	1.0	11
106	THE EFFECTS OF SELECTED INHIBITORS ON CELLULOSE MICROFIBRIL ASSEMBLY IN <i>BOERGESENIA FORBESII</i> (CHLOROPHYTA) PROTOPLASTS. <i>Journal of Phycology</i> , 1986, 22, 224-233.	1.0	11
107	Application of process mass spectroscopy to the detection of metabolic changes in plant tissue culture. <i>Plant Cell, Tissue and Organ Culture</i> , 1991, 25, 219-224.	1.2	11
108	Optimization of growth conditions for the induction of tyrosine decarboxylase in <i>Streptococcus faecalis</i> . <i>Biotechnology Letters</i> , 1987, 9, 685-690.	1.1	10



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109	Methyl Oleate Production in a Supported Sol-Gel Immobilized Lipase Packed Bed Reactor. <i>Energy &amp; Fuels</i> , 2015, 29, 3168-3175.	2.5	10
110	THE EFFECTS OF SELECTED INHIBITORS ON CELLULOSE MICROFIBRIL ASSEMBLY IN BOERGESENIA FORBESII (CHLOROPHYTA) PROTOPLASTS. <i>Journal of Phycology</i> , 1986, 22, 224-233.	1.0	9
111	Development of a multienzyme reactor for dopamine synthesis: II. Reactor engineering and simulation. <i>Biotechnology and Bioengineering</i> , 1992, 40, 388-395.	1.7	9
112	Effects of supercritical CO <sub>2</sub> exposure and depressurization on immobilized lipase activity. <i>Biotechnology Letters</i> , 2001, 23, 1863-1870.	1.1	9
113	Oxygen Uptake Rate Tests to Evaluate Integrated Fixed Film Activated Sludge Processes. <i>Water Environment Research</i> , 2008, 80, 2276-2283.	1.3	9
114	Rapid and direct spectrophotometric method for kinetics studies and routine assay of peroxidase based on aniline diazo substrates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1162-1169.	2.5	9
115	New insight into the allosteric effect of L-tyrosine on mushroom tyrosinase during L-dopa production. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 821-829.	3.6	9
116	Determination of taxane concentrations in <i>Taxus canadensis</i> clippings using high performance liquid chromatographic analysis with an internal standard. , 1999, 10, 88-92.		8
117	Application of spectrofluorometry to the prediction of PHB concentrations in a fed-batch process. <i>Bioprocess and Biosystems Engineering</i> , 2005, 27, 359-364.	1.7	8
118	Preparation and methodology for chemical mapping of sol-gel thin films containing lysozyme. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 50, 77-86.	1.1	8
119	Assessing irreversible fouling behavior of membrane foulants in the ultrafiltration of natural water using principal component analysis of fluorescence excitation-emission matrices. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 179-185.	1.0	8
120	Characterizing natural colloidal/particulate-protein interactions using fluorescence-based techniques and principal component analysis. <i>Talanta</i> , 2012, 99, 457-463.	2.9	8
121	Production of morphine alkaloids: (S)-norlaudanosoline, a key intermediate. <i>Enzyme and Microbial Technology</i> , 1988, 10, 219-226.	1.6	7
122	Cation-assisted adsorption of chlorophenols by nanoxerogels. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 2214-2221.	0.9	7
123	Monitoring of an antigen manufacturing process. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 855-869.	1.7	7
124	Towards real-time detection of wastewater in surface waters using fluorescence spectroscopy. <i>Journal of Environmental Sciences</i> , 2019, 86, 195-202.	3.2	7
125	Detachment of Solids and Nitrifiers in Integrated, Fixed-Film Activated Sludge Systems. <i>Water Environment Research</i> , 2008, 80, 2202-2208.	1.3	6
126	Probing protein colloidal behavior in membrane-based separation processes using spectrofluorometric Rayleigh scattering data. <i>Biotechnology Progress</i> , 2010, 26, 772-780.	1.3	6



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127	Study of support materials for sol-gel immobilized lipase. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 190-196.	1.1	6
128	Enhancement of Electricity Generation by a Microbial Fuel Cell Using a Highly Active Non-Precious-Metal Nitrogen-Doped Carbon Composite Catalyst Cathode. <i>Energy &amp; Fuels</i> , 2017, 31, 959-967.	2.5	6
129	Application of a bayesian regression method to the estimation of diffusivity in hydrophilic gels. <i>Canadian Journal of Chemical Engineering</i> , 1992, 70, 499-504.	0.9	5
130	Problem-solving and concept integration using a computational tool in first-year undergraduate chemical engineering. <i>Education for Chemical Engineers</i> , 2012, 7, e133-e138.	2.8	5
131	Combined MBBR&MF for industrial wastewater treatment. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 288-295.	1.3	5
132	Medium engineering to enhance mushroom tyrosinase stability. <i>Biochemical Engineering Journal</i> , 2012, 60, 99-105.	1.8	5
133	Continuous Organic Characterization for Biological and Membrane Filter Performance Monitoring. <i>Journal - American Water Works Association</i> , 2017, 109, E86.	0.2	5
134	Fluorescence&dash;based soft&dash;sensor for monitoring Î²&dash;lactoglobulin and Î±&dash;lactalbumin solubility during thermal aggregation. <i>Biotechnology and Bioengineering</i> , 2008, 99, 567-577.	1.7	4
135	Effect of sol&dash;gel hydrophobicity on the distribution and structure of different proteins in organically modified sol&dash;gel thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 52, 370-381.	1.1	4
136	Investigation of the effects of oxidative stress&dash;inducing factors on culturing and productivity of <i>Bordetella pertussis</i> . <i>Biotechnology Progress</i> , 2020, 36, e2899.	1.3	4
137	Activity of hydroperoxide lyase under aqueous and micro-aqueous conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 44, 32-38.	1.8	3
138	Characterization of hydraulically reversible and irreversible fouling species in ultrafiltration drinking water treatment systems using fluorescence EEM and LC&dash;OCD measurements. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 1220-1227.	1.0	3
139	Analysis of semi-volatile organics in aqueous process streams using solid-phase microextraction and gas chromatography. <i>Journal of Environmental Management</i> , 2001, 5, 81-90.	1.7	2
140	Challenges in the isolation of taxanes from <i>Taxus canadensis</i> by fast pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 57, 275-285.	2.6	2
141	Oxygen Uptake Rate Tests to Evaluate Integrated Fixed Film Activated Sludge Processes. <i>Proceedings of the Water Environment Federation</i> , 2006, 2006, 4914-4926.	0.0	2
142	Optimization of simultaneous production of tyrosinase and laccase by <i>Neurospora crassa</i> . <i>Biocatalysis and Biotransformation</i> , 2017, 35, 1-10.	1.1	2
143	Evaluation of flow cytometry and chemometric models for monitoring and predicting antigen production at full-scale. <i>Biochemical Engineering Journal</i> , 2021, 175, 108136.	1.8	2
144	Synthesis of a novel class of chromophoric cross-linkers. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 957-965.	1.2	1

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145	Impact of oxidative stress on protein production by Bordetella pertussis for vaccine production. Biochemical Engineering Journal, 2019, 151, 107359.	1.8	1
146	Reaction Kinetics and Modelling of a Coupled Reaction System for the Production of Norlaudanosoline from Dopamine. Biocatalysis, 1993, 7, 117-129.	0.9	0
147	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
148	Application of FEEM to Monitoring Membrane Fouling. , 2015, , 1-2.		0
149	Application of FEEM to Monitoring Membrane Fouling. , 2016, , 101-102.		0