

# Michael R Ladisch

## List of Publications by Year in descending order

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149  
papers

16,220  
citations

38660

50  
h-index

15683

125  
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158  
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158  
docs citations

158  
times ranked

11257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Features of promising technologies for pretreatment of lignocellulosic biomass. <i>Bioresource Technology</i> , 2005, 96, 673-686.	4.8	5,057
2	Coordinated development of leading biomass pretreatment technologies. <i>Bioresource Technology</i> , 2005, 96, 1959-1966.	4.8	1,199
3	Comparative sugar recovery data from laboratory scale application of leading pretreatment technologies to corn stover. <i>Bioresource Technology</i> , 2005, 96, 2026-2032.	4.8	470
4	Optimization of pH controlled liquid hot water pretreatment of corn stover. <i>Bioresource Technology</i> , 2005, 96, 1986-1993.	4.8	462
5	Deactivation of cellulases by phenols. <i>Enzyme and Microbial Technology</i> , 2011, 48, 54-60.	1.6	436
6	Inhibition of cellulases by phenols. <i>Enzyme and Microbial Technology</i> , 2010, 46, 170-176.	1.6	403
7	Soluble inhibitors/deactivators of cellulase enzymes from lignocellulosic biomass. <i>Enzyme and Microbial Technology</i> , 2011, 48, 408-415.	1.6	398
8	Disruption of Mediator rescues the stunted growth of a lignin-deficient Arabidopsis mutant. <i>Nature</i> , 2014, 509, 376-380.	13.7	313
9	Composition of corn dry-grind ethanol by-products: DDGS, wet cake, and thin stillage. <i>Bioresource Technology</i> , 2008, 99, 5165-5176.	4.8	287
10	Effect of liquid hot water pretreatment severity on properties of hardwood lignin and enzymatic hydrolysis of cellulose. <i>Biotechnology and Bioengineering</i> , 2015, 112, 252-262.	1.7	283
11	Comparative sugar recovery and fermentation data following pretreatment of poplar wood by leading technologies. <i>Biotechnology Progress</i> , 2009, 25, 333-339.	1.3	269
12	Characterization of acid catalytic domains for cellulose hydrolysis and glucose degradation. <i>Biotechnology and Bioengineering</i> , 2002, 79, 610-618.	1.7	221
13	Microscopic examination of changes of plant cell structure in corn stover due to hot water pretreatment and enzymatic hydrolysis. <i>Biotechnology and Bioengineering</i> , 2007, 97, 265-278.	1.7	210
14	Adsorption of enzyme onto lignins of liquid hot water pretreated hardwoods. <i>Biotechnology and Bioengineering</i> , 2015, 112, 447-456.	1.7	207
15	Lignin-Enzyme Interactions in the Hydrolysis of Lignocellulosic Biomass. <i>Trends in Biotechnology</i> , 2019, 37, 518-531.	4.9	183
16	Removal of Fermentation Inhibitors Formed during Pretreatment of Biomass by Polymeric Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 6132-6138.	1.8	181
17	Lignin monomer composition affects Arabidopsis cell-wall degradability after liquid hot water pretreatment. <i>Biotechnology for Biofuels</i> , 2010, 3, 27.	6.2	178
18	Cellobiase from <i>Trichoderma viride</i> : Purification, properties, kinetics, and mechanism. <i>Biotechnology and Bioengineering</i> , 1977, 19, 959-981.	1.7	172

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19	Industrial Scale-Up of pH-Controlled Liquid Hot Water Pretreatment of Corn Fiber for Fuel Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2005, 125, 077-098.	1.4	158
20	Loosening lignin's grip on biofuel production. <i>Nature Biotechnology</i> , 2007, 25, 746-748.	9.4	155
21	Molecular Breeding to Enhance Ethanol Production from Corn and Sorghum Stover. <i>Crop Science</i> , 2007, 47, S-142.	0.8	154
22	Enzymatic digestion of liquid hot water pretreated hybrid poplar. <i>Biotechnology Progress</i> , 2009, 25, 340-348.	1.3	142
23	Manipulation of Guaiacyl and Syringyl Monomer Biosynthesis in an Arabidopsis Cinnamyl Alcohol Dehydrogenase Mutant Results in Atypical Lignin Biosynthesis and Modified Cell Wall Structure. <i>Plant Cell</i> , 2015, 27, 2195-2209.	3.1	136
24	Pretreatment of yellow poplar sawdust by pressure cooking in water. <i>Applied Biochemistry and Biotechnology</i> , 1997, 68, 21-40.	1.4	134
25	Cellulose pretreatments of lignocellulosic substrates. <i>Enzyme and Microbial Technology</i> , 1994, 16, 1002-1004.	1.6	133
26	Fractionation of cellulase and fermentation inhibitors from steam pretreated mixed hardwood. <i>Bioresource Technology</i> , 2013, 135, 30-38.	4.8	132
27	Enzyme hydrolysis and ethanol fermentation of liquid hot water and AFEX pretreated distillers' grains at high-solids loadings. <i>Bioresource Technology</i> , 2008, 99, 5206-5215.	4.8	131
28	Recombinant human insulin. <i>Biotechnology Progress</i> , 1992, 8, 469-478.	1.3	130
29	Characterization of Dicarboxylic Acids for Cellulose Hydrolysis. <i>Biotechnology Progress</i> , 2001, 17, 474-480.	1.3	128
30	Comparative data on effects of leading pretreatments and enzyme loadings and formulations on sugar yields from different switchgrass sources. <i>Bioresource Technology</i> , 2011, 102, 11052-11062.	4.8	121
31	Hydrolysis—determining substrate characteristics in liquid hot water pretreated hardwood. <i>Biotechnology and Bioengineering</i> , 2015, 112, 677-687.	1.7	116
32	Pretreatment of corn fiber by pressure cooking in water. <i>Applied Biochemistry and Biotechnology</i> , 1998, 73, 1-17.	1.4	110
33	Assessment of ethanol production options for corn products. <i>Bioresource Technology</i> , 1996, 58, 253-264.	4.8	103
34	Severity factor coefficients for subcritical liquid hot water pretreatment of hardwood chips. <i>Biotechnology and Bioengineering</i> , 2014, 111, 254-263.	1.7	99
35	Summary of findings from the Biomass Refining Consortium for Applied Fundamentals and Innovation (CAFI): corn stover pretreatment. <i>Cellulose</i> , 2009, 16, 649-659.	2.4	98
36	Comparative study on enzymatic digestibility of switchgrass varieties and harvests processed by leading pretreatment technologies. <i>Bioresource Technology</i> , 2011, 102, 11089-11096.	4.8	93

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37	Theory and practise of rapid liquid chromatography at moderate pressures using water as eluent. <i>Journal of Chromatography A</i> , 1978, 166, 85-100.	1.8	91
38	Effect of phenolic compounds from pretreated sugarcane bagasse on cellulolytic and hemicellulolytic activities. <i>Bioresource Technology</i> , 2016, 199, 275-278.	4.8	87
39	Secretome analysis of <i>Trichoderma reesei</i> and <i>Aspergillus niger</i> cultivated by submerged and sequential fermentation processes: Enzyme production for sugarcane bagasse hydrolysis. <i>Enzyme and Microbial Technology</i> , 2016, 90, 53-60.	1.6	86
40	Severity factor kinetic model as a strategic parameter of hydrothermal processing (steam explosion) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> 2021, 342, 125961.	4.8	83
41	Composite surface for blocking bacterial adsorption on protein biochips. <i>Biotechnology and Bioengineering</i> , 2003, 81, 618-624.	1.7	81
42	Continuous pH monitoring during pretreatment of yellow poplar wood sawdust by pressure cooking in water. <i>Applied Biochemistry and Biotechnology</i> , 1998, 70-72, 99-111.	1.4	73
43	Liquid Hot Water Pretreatment of Cellulosic Biomass. <i>Methods in Molecular Biology</i> , 2009, 581, 93-102.	0.4	73
44	Biosynthesis, Purification, and Mode of Action of Cellulases of <i>Trichoderma reesei</i> . <i>Advances in Chemistry Series</i> , 1979, , 261-287.	0.6	70
45	Tissue-specific biomass recalcitrance in corn stover pretreated with liquid hot water: Enzymatic hydrolysis (part 1). <i>Biotechnology and Bioengineering</i> , 2012, 109, 390-397.	1.7	69
46	Combined product and substrate inhibition equation for cellobiase. <i>Biotechnology and Bioengineering</i> , 1981, 23, 2779-2788.	1.7	65
47	Surface and ultrastructural characterization of raw and pretreated switchgrass. <i>Bioresource Technology</i> , 2011, 102, 11097-11104.	4.8	62
48	Fermentation-derived butanol and scenarios for its uses in energy-related applications. <i>Enzyme and Microbial Technology</i> , 1991, 13, 280-283.	1.6	59
49	Plug-Flow Reactor for Continuous Hydrolysis of Glucans and Xylans from Pretreated Corn Fiber. <i>Energy &amp; Fuels</i> , 2005, 19, 2189-2200.	2.5	58
50	Protein chromatography using a continuous stationary phase. <i>Journal of Chromatography A</i> , 1992, 598, 169-180.	1.8	52
51	Process Analytical Technologies and Data Analytics for the Manufacture of Monoclonal Antibodies. <i>Trends in Biotechnology</i> , 2020, 38, 1169-1186.	4.9	52
52	Ethanol production and the cost of fermentable sugars from biomass. <i>Bioresource Technology</i> , 1991, 36, 83-95.	4.8	51
53	Adsorption Phenomena in Hydrophobic Interaction Chromatography. <i>Biotechnology Progress</i> , 1989, 5, 79-88.	1.3	50
54	Biological abatement of cellulase inhibitors. <i>Bioresource Technology</i> , 2013, 146, 604-610.	4.8	49

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55	Reaction mechanisms and kinetics of xylooligosaccharide hydrolysis by dicarboxylic acids. <i>AICHE Journal</i> , 2013, 59, 188-199.	1.8	48
56	Reaction Kinetics, Molecular Action, and Mechanisms of Cellulolytic Proteins. <i>Advances in Biochemical Engineering/Biotechnology</i> , 1999, 65, 23-40.	0.6	46
57	Rapid Sample Processing for Detection of Food-Borne Pathogens via Cross-Flow Microfiltration. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7048-7054.	1.4	46
58	Process simulation of modified dry grind ethanol plant with recycle of pretreated and enzymatically hydrolyzed distillers' grains. <i>Bioresource Technology</i> , 2008, 99, 5177-5192.	4.8	44
59	PCR-based detection in a micro-fabricated platform. <i>Lab on A Chip</i> , 2008, 8, 1130.	3.1	44
60	Bioabatement with hemicellulase supplementation to reduce enzymatic hydrolysis inhibitors. <i>Bioresource Technology</i> , 2015, 190, 412-415.	4.8	44
61	Deactivation and activation of lignocellulose degrading enzymes in the presence of laccase. <i>Enzyme and Microbial Technology</i> , 2018, 109, 25-30.	1.6	44
62	Adsorption of Water from Liquid-Phase Ethanol-Water Mixtures at Room Temperature Using Starch-Based Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 2112-2115.	1.8	42
63	Nano/Micro and Spectroscopic Approaches to Food Pathogen Detection. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 65-88.	2.8	42
64	Enhanced Antimicrobial Efficacy of Bimetallic Porous CuO Microspheres Decorated with Ag Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39165-39173.	4.0	41
65	Cellobiose hydrolysis by endoglucanase (glucan glucanhydrolase) from <i>Trichoderma reesii</i> : Kinetics and mechanism. <i>Biotechnology and Bioengineering</i> , 1980, 22, 1107-1126.	1.7	40
66	Water and ethanol sorption phenomena on starch. <i>AICHE Journal</i> , 1991, 37, 1187-1195.	1.8	40
67	Tissue-specific biomass recalcitrance in corn stover pretreated with liquid hot water: SEM imaging (part 2). <i>Biotechnology and Bioengineering</i> , 2012, 109, 398-404.	1.7	40
68	Foodborne pathogens in horticultural production systems: Ecology and mitigation. <i>Scientia Horticulturae</i> , 2018, 236, 192-206.	1.7	40
69	Effect of compositional variability of distillers' grains on cellulosic ethanol production. <i>Bioresource Technology</i> , 2010, 101, 5385-5393.	4.8	39
70	Chromatography for Rapid Buffer Exchange and Refolding of Secretory Leukocyte Protease Inhibitor. <i>Biotechnology Progress</i> , 1996, 12, 184-189.	1.3	38
71	Fermentation Substrates from Cellulosic Materials: Production of Fermentable Sugars from Cellulosic Materials. <i>Plant, Cell and Environment</i> , 1978, 2, 1-21.	2.8	38
72	Temperature dependent cellulase adsorption on lignin from sugarcane bagasse. <i>Bioresource Technology</i> , 2018, 252, 143-149.	4.8	37

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73	Preparation of cellodextrins: An engineering approach. <i>Biotechnology and Bioengineering</i> , 1978, 20, 1669-1677.	1.7	31
74	Rolled Stationary Phases: Dimensionally Structured Textile Adsorbents for Rapid Liquid Chromatography of Proteins. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 865-872.	1.8	31
75	Production of ethanol from wood hemicellulose hydrolyzates by a xylose-fermenting yeast mutant, <i>Candida sp.</i> XF 217. <i>Biotechnology Letters</i> , 1981, 3, 657-662.	1.1	30
76	Addressing academic researcher priorities through science and technology entrepreneurship education. <i>Journal of Technology Transfer</i> , 2021, 46, 288-318.	2.5	30
77	Cellulose conversion of corn pericarp without pretreatment. <i>Bioresource Technology</i> , 2017, 245, 511-517.	4.8	29
78	Transport Properties of Rolled, Continuous Stationary Phase Columns. <i>Biotechnology Progress</i> , 1998, 14, 21-30.	1.3	27
79	Cassava Starch Pearls as a Desiccant for Drying Ethanol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 8678-8685.	1.8	25
80	Maleic acid treatment of biologically detoxified corn stover liquor. <i>Bioresource Technology</i> , 2016, 216, 437-445.	4.8	25
81	Ethanol Production from Maize. <i>Biotechnology in Agriculture and Forestry</i> , 2009, , 347-364.	0.2	25
82	Engineering and economics of cellulose saccharification systems. <i>Enzyme and Microbial Technology</i> , 1986, 8, 66-69.	1.6	24
83	Adaptive laboratory evolution of nanocellulose-producing bacterium. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1923-1933.	1.7	24
84	New approach to aqueous gel permeation chromatography of nonderivatized cellulose. <i>Journal of Applied Polymer Science</i> , 1980, 25, 263-275.	1.3	23
85	Optimal Packing Characteristics of Rolled, Continuous Stationary-Phase Columns. <i>Biotechnology Progress</i> , 2002, 18, 309-316.	1.3	22
86	Mechanistic study of membrane concentration and recovery of <i>Listeria monocytogenes</i> . <i>Biotechnology and Bioengineering</i> , 2005, 89, 263-273.	1.7	22
87	Mechanism and potential applications of bio-ligninolytic systems in a CELSS. <i>Applied Biochemistry and Biotechnology</i> , 1997, 62, 131-149.	1.4	21
88	Accelerating sample preparation through enzyme-assisted microfiltration of <i>Salmonella</i> in chicken extract. <i>Biotechnology Progress</i> , 2015, 31, 1551-1562.	1.3	21
89	Simulation of diauxic production of cephalosporin C by <i>Cephalosporium acremonium</i> : lag model for fed-batch fermentation. <i>Biotechnology Progress</i> , 1995, 11, 626-631.	1.3	20
90	Acetic acid removal from corn stover hydrolysate using ethyl acetate and the impact on <i>Saccharomyces cerevisiae</i> bioethanol fermentation. <i>Biotechnology Progress</i> , 2016, 32, 929-937.	1.3	20

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91	Lysozyme for capture of microorganisms on protein biochips. <i>Enzyme and Microbial Technology</i> , 2003, 33, 958-966.	1.6	18
92	Surface engineering of microchannel walls for protein separation and directed microfluidic flow. <i>Journal of Separation Science</i> , 2006, 29, 1733-1742.	1.3	18
93	Enzyme production by industrially relevant fungi cultured on coproduct from corn dry grind ethanol plants. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 171-183.	1.4	18
94	Human pathogens in plant biofilms: Formation, physiology, and detection. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1403-1418.	1.7	18
95	New system for preparative electrochromatography of proteins. <i>Biotechnology and Bioengineering</i> , 2000, 70, 72-81.	1.7	17
96	Ion exchange and affinity chromatography in the scaleup of the purification of $\beta$ -galactosidase from soybean seeds. <i>Biotechnology and Bioengineering</i> , 1991, 37, 356-363.	1.7	16
97	Micro-assembly of functionalized particulate monolayer on C18-derivatized SiO <sub>2</sub> surfaces. <i>Biotechnology and Bioengineering</i> , 2003, 83, 416-427.	1.7	16
98	Impact of protein blocking on enzymatic saccharification of bagasse from sugarcane clones. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1584-1593.	1.7	16
99	An unstructured mathematical model for growth of <i>Pleurotus ostreatus</i> on lignocellulosic material in solid-state fermentation systems. <i>Applied Biochemistry and Biotechnology</i> , 1997, 62, 71-85.	1.4	15
100	Cellulose conversion in dry grind ethanol plants. <i>Bioresource Technology</i> , 2008, 99, 5157-5159.	4.8	15
101	Secretome data from <i>Trichoderma reesei</i> and <i>Aspergillus niger</i> cultivated in submerged and sequential fermentation methods. <i>Data in Brief</i> , 2016, 8, 588-598.	0.5	15
102	Cellulase Kinetics. , 1981, 18, 55-83.		14
103	Rapid chromatography for evaluating adsorption characteristics of cellulase binding domain mimetics. <i>Biotechnology and Bioengineering</i> , 2004, 86, 756-764.	1.7	13
104	Microfiber-Directed Boundary Flow in Press-Fit Microdevices Fabricated from Self-Adhesive Hydrophobic Surfaces. <i>Analytical Chemistry</i> , 2005, 77, 3671-3675.	3.2	12
105	Surface-Directed Boundary Flow in Microfluidic Channels. <i>Langmuir</i> , 2006, 22, 6429-6437.	1.6	12
106	Hydrothermal Pretreatment of Lignocellulosic Biomass for Bioethanol Production. , 2017, , 181-205.		12
107	Lattice: A Vision for Machine Learning, Data Engineering, and Policy Considerations for Digital Agriculture at Scale. <i>IEEE Open Journal of the Computer Society</i> , 2021, 2, 227-240.	5.2	12
108	Moving from residual lignocellulosic biomass into high-value products: Outcomes from a long-term international cooperation. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 563-573.	1.9	12

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109	Measurement of Cellulolytic Activity by Low Pressure Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1979, 2, 745-760.	0.9	11
110	Symposium on fuels and chemicals from biomass. <i>Biotechnology and Bioengineering</i> , 1983, 25, 1-2.	1.7	11
111	Effect of modulator sorption in gradient elution chromatography: gradient deformation. <i>Chemical Engineering Science</i> , 1992, 47, 233-239.	1.9	11
112	Title is missing!. <i>Adsorption</i> , 1998, 4, 321-335.	1.4	11
113	Fiber-based monolithic columns for liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6871-6883.	1.9	11
114	Effect of using a nitrogen atmosphere on enzyme hydrolysis at high corn stover loadings in an agitated reactor. <i>Biotechnology Progress</i> , 2020, 36, e3059.	1.3	11
115	New strategy for liquefying corn stover pellets. <i>Bioresource Technology</i> , 2021, 341, 125773.	4.8	11
116	Sorptive recovery of dilute ethanol from distillation column bottoms stream. <i>Applied Biochemistry and Biotechnology</i> , 1996, 57-58, 103-119.	1.4	10
117	Microfiltration of enzyme treated egg whites for accelerated detection of viable <i>Salmonella</i> . <i>Biotechnology Progress</i> , 2016, 32, 1464-1471.	1.3	10
118	Protein particulate retention and microorganism recovery for rapid detection of <i>Salmonella</i> . <i>Biotechnology Progress</i> , 2017, 33, 687-695.	1.3	10
119	Economic Implications of Purification of Glucose Isomerase prior to Immobilization. <i>Industrial &amp; Engineering Chemistry Process Design and Development</i> , 1977, 16, 309-313.	0.6	9
120	Microbial enrichment and multiplexed microfiltration for accelerated detection of <i>Salmonella</i> in spinach. <i>Biotechnology Progress</i> , 2019, 35, e2874.	1.3	9
121	Ion-exchange and affinity chromatography costs in $\beta$ -galactosidase purification. <i>Biotechnology and Bioengineering</i> , 1992, 39, 717-724.	1.7	8
122	Characterization of buffers for electrokinetic separations. <i>Applied Biochemistry and Biotechnology</i> , 1994, 44, 243-261.	1.4	8
123	Simultaneous concentration and purification through gradient deformation chromatography. <i>AIChE Journal</i> , 1995, 41, 1184-1193.	1.8	8
124	Rheology of enzyme liquefied corn stover slurries: The effect of solids concentration on yielding and flow behavior. <i>Biotechnology Progress</i> , 2021, 37, e3216.	1.3	8
125	Microfabricated Device for Impedance-Based Detection of Bacterial Metabolism. <i>Materials Research Society Symposia Proceedings</i> , 2002, 729, 461.	0.1	7
126	Distillers grains: On the pathway to cellulose conversion. <i>Bioresource Technology</i> , 2008, 99, 5155-5156.	4.8	7



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127	Model for temperature profiles in large diameter electrochromatography columns. <i>AIChE Journal</i> , 2003, 49, 402-410.	1.8	6
128	Doppler imaging detects bacterial infection of living tissue. <i>Communications Biology</i> , 2021, 4, 178.	2.0	6
129	Accelerated Sample Preparation for Fast Salmonella Detection in Poultry Products. <i>Methods in Molecular Biology</i> , 2019, 1918, 3-20.	0.4	6
130	Separation of meso and racemic 2,3-butanediol by aqueous liquid chromatography. <i>Biotechnology and Bioengineering</i> , 1981, 23, 1289-1296.	1.7	5
131	Industrial Challenges of Recombinant Proteins. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019, 171, 1-22.	0.6	5
132	Cellulolytic enzymes production guided by morphology engineering. <i>Enzyme and Microbial Technology</i> , 2021, 149, 109833.	1.6	5
133	Combined Sugarcane Pretreatment for the Generation of Ethanol and Value-Added Products. <i>Frontiers in Energy Research</i> , 2022, 10, .	1.2	5
134	Large-Scale Protein Purification. <i>ACS Symposium Series</i> , 1990, , 1-13.	0.5	4
135	Proteins at heterogeneous (lignocellulose) interfaces. <i>Current Opinion in Chemical Engineering</i> , 2017, 18, 45-54.	3.8	4
136	Analysis, Impacts, and Solutions to Biomass Variability for Production of Fuels and Value-Added Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15375-15377.	3.2	4
137	Phase-Sensitive Intracellular Doppler Fluctuation Spectroscopy. <i>Physical Review Applied</i> , 2021, 15, .	1.5	4
138	Multi-Electrode Array of Sensory Neurons as an In Vitro Platform to Identify the Nociceptive Response to Pharmaceutical Buffer Systems of Injectable Biologics. <i>Pharmaceutical Research</i> , 2021, 38, 1179-1186.	1.7	4
139	Protein determination in the presence of cellulose. <i>Biotechnology and Bioengineering</i> , 1978, 20, 461-462.	1.7	3
140	Scale-Up of Bioseparations for Microbial and Biochemical Technology. <i>ACS Symposium Series</i> , 1988, , 72-101.	0.5	3
141	Mechanisms of Protein Retention in Hydrophobic Interaction Chromatography. <i>ACS Symposium Series</i> , 1990, , 80-92.	0.5	3
142	Characterization of the swelling of a size-exclusion gel. <i>Biotechnology Progress</i> , 1990, 6, 376-382.	1.3	2
143	Construction and operation of a multiplexed microfiltration device to facilitate rapid pathogen detection. <i>Biotechnology Progress</i> , 2019, 35, e2889.	1.3	2
144	Biotextiles "Monoliths with Rolled Geometrics. <i>Journal of Chromatography Library</i> , 2003, 67, 235-253.	0.1	1

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145	Lignin-derived Phenols: A New Frontier. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 769-770.	1.9	1
146	Enzyme interactions on lignocellulosic biomass structure. , 2020, , 33-59.		1
147	Protective effects of non-catalytic proteins on endoglucanase activity at air and lignin interfaces. <i>Biotechnology Progress</i> , 2021, 37, e3134.	1.3	1
148	Cause and correction of baseline interruptions observed for small-bore liquid chromatography columns packed with cation exchange resin in the H+ form. <i>Biotechnology and Bioengineering</i> , 1987, 30, 331-333.	1.7	0
149	Introduction to Session 6. <i>Applied Biochemistry and Biotechnology</i> , 2006, 132, 909-910.	1.4	0