

Brian Davison

List of Publications by Year in descending order

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150
papers

14,054
citations

87723

38
h-index

20307

116
g-index

154
all docs

154
docs citations

154
times ranked

14850
citing authors

#	ARTICLE	IF	CITATIONS
1	The Path Forward for Biofuels and Biomaterials. <i>Science</i> , 2006, 311, 484-489.	6.0	4,935
2	Lignin Valorization: Improving Lignin Processing in the Biorefinery. <i>Science</i> , 2014, 344, 1246843.	6.0	2,994
3	How biotech can transform biofuels. <i>Nature Biotechnology</i> , 2008, 26, 169-172.	9.4	984
4	Lignin content in natural <i>Populus</i> variants affects sugar release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6300-6305.	3.3	515
5	Assessing the molecular structure basis for biomass recalcitrance during dilute acid and hydrothermal pretreatments. <i>Biotechnology for Biofuels</i> , 2013, 6, 15.	6.2	468
6	Common processes drive the thermochemical pretreatment of lignocellulosic biomass. <i>Green Chemistry</i> , 2014, 16, 63-68.	4.6	198
7	Enzyme stabilization by covalent binding in nanoporous sol-gel glass for nonaqueous biocatalysis. <i>Biotechnology and Bioengineering</i> , 2001, 74, 249-255.	1.7	195
8	Transcriptomic and metabolomic profiling of <i>Zymomonas mobilis</i> during aerobic and anaerobic fermentations. <i>BMC Genomics</i> , 2009, 10, 34.	1.2	138
9	Sugar release and growth of biofuel crops are improved by downregulation of pectin biosynthesis. <i>Nature Biotechnology</i> , 2018, 36, 249-257.	9.4	136
10	Variation of S/G Ratio and Lignin Content in a <i>Populus</i> Family Influences the Release of Xylose by Dilute Acid Hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 2006, 130, 427-435.	1.4	135
11	Significance of Lignin S/G Ratio in Biomass Recalcitrance of <i>Populus trichocarpa</i> Variants for Bioethanol Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2162-2168.	3.2	100
12	Down-regulation of the caffeic acid O-methyltransferase gene in switchgrass reveals a novel monolignol analog. <i>Biotechnology for Biofuels</i> , 2012, 5, 71.	6.2	96
13	Toward low-cost biological and hybrid biological/catalytic conversion of cellulosic biomass to fuels. <i>Energy and Environmental Science</i> , 2022, 15, 938-990.	15.6	93
14	Integrating engineering design improvements with exoelectrogen enrichment process to increase power output from microbial fuel cells. <i>Journal of Power Sources</i> , 2009, 191, 520-527.	4.0	86
15	Characterization of the 70S Ribosome from <i>Rhodospseudomonas palustris</i> Using an Integrated "Top-Down" and "Bottom-Up" Mass Spectrometric Approach. <i>Journal of Proteome Research</i> , 2004, 3, 965-978.	1.8	83
16	NMR Characterization of C3H and HCT Down-Regulated Alfalfa Lignin. <i>Bioenergy Research</i> , 2009, 2, 198-208.	2.2	82
17	Insights of biomass recalcitrance in natural <i>Populus trichocarpa</i> variants for biomass conversion. <i>Green Chemistry</i> , 2017, 19, 5467-5478.	4.6	82
18	Dynamics of water bound to crystalline cellulose. <i>Scientific Reports</i> , 2017, 7, 11840.	1.6	82

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19	Production of succinic acid by anaerobiospirillum succiniciproducens. Applied Biochemistry and Biotechnology, 1997, 63-65, 565-576.	1.4	79
20	Biological lignocellulose solubilization: comparative evaluation of biocatalysts and enhancement via cotreatment. Biotechnology for Biofuels, 2016, 9, 8.	6.2	78
21	Determination and Comparison of the Baseline Proteomes of the Versatile Microbe Rhodospseudomonas palustris under Its Major Metabolic States. Journal of Proteome Research, 2006, 5, 287-298.	1.8	69
22	Systems Biology Analysis of Zymomonas mobilis ZM4 Ethanol Stress Responses. PLoS ONE, 2013, 8, e68886.	1.1	64
23	Continuous direct solvent extraction of butanol in a fermenting fluidized-bed bioreactor with immobilized Clostridium acetobutylicum. Applied Biochemistry and Biotechnology, 1993, 39-40, 415-426.	1.4	57
24	Field Evaluation of Transgenic Switchgrass Plants Overexpressing PvMYB4 for Reduced Biomass Recalcitrance. Bioenergy Research, 2015, 8, 910-921.	2.2	57
25	Selective conversion of bio-derived ethanol to renewable BTX over Ga-ZSM-5. Green Chemistry, 2017, 19, 4344-4352.	4.6	57
26	Elucidation of Zymomonas mobilis physiology and stress responses by quantitative proteomics and transcriptomics. Frontiers in Microbiology, 2014, 5, 246.	1.5	54
27	Consolidated bioprocessing of Populus using Clostridium (Ruminiclostridium) thermocellum: a case study on the impact of lignin composition and structure. Biotechnology for Biofuels, 2016, 9, 31.	6.2	54
28	Operability and feasibility of ethanol production by immobilized Zymomonas mobilis in a fluidized-bed bioreactor. Applied Biochemistry and Biotechnology, 1988, 18, 19-34.	1.4	53
29	Succinic Acid Adsorption from Fermentation Broth and Regeneration. Applied Biochemistry and Biotechnology, 2004, 114, 653-670.	1.4	52
30	Strain and bioprocess improvement of a thermophilic anaerobe for the production of ethanol from wood. Biotechnology for Biofuels, 2016, 9, 125.	6.2	50
31	Effect of pH oscillations on a competing mixed culture. Biotechnology and Bioengineering, 1986, 28, 1127-1137.	1.7	48
32	Multiple levers for overcoming the recalcitrance of lignocellulosic biomass. Biotechnology for Biofuels, 2019, 12, 15.	6.2	47
33	Reductive transformation of methyl parathion by the cyanobacterium Anabaena sp. strain PCC7120. Applied Microbiology and Biotechnology, 2004, 65, 330-335.	1.7	46
34	Systems and synthetic biology approaches to alter plant cell walls and reduce biomass recalcitrance. Plant Biotechnology Journal, 2014, 12, 1207-1216.	4.1	46
35	Chemical Factors that Control Lignin Polymerization. Journal of Physical Chemistry B, 2014, 118, 164-170.	1.2	46
36	Consolidated bioprocessing of transgenic switchgrass by an engineered and evolved Clostridium thermocellum strain. Biotechnology for Biofuels, 2014, 7, 75.	6.2	46

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37	Ethanol Production from Glucose and Xylose by Immobilized <i>Zymomonas mobilis</i> CP4(pZB5). <i>Applied Biochemistry and Biotechnology</i> , 2000, 84-86, 525-542.	1.4	45
38	A proposed biparticle fluidized-bed for lactic acid fermentation and simultaneous adsorption. <i>Biotechnology and Bioengineering</i> , 1992, 39, 365-368.	1.7	44
39	Heterobimetallic Zeolite, InV-ZSM-5, Enables Efficient Conversion of Biomass Derived Ethanol to Renewable Hydrocarbons. <i>Scientific Reports</i> , 2015, 5, 16039.	1.6	38
40	Morphological changes in the cellulose and lignin components of biomass occur at different stages during steam pretreatment. <i>Cellulose</i> , 2014, 21, 873-878.	2.4	37
41	Simultaneous fermentation and separation of lactic acid in a biparticle fluidized-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 1992, 34-35, 431-439.	1.4	34
42	Performance of Chloroperoxidase Stabilization in Mesoporous Sol-Gel Glass Using <i>In Situ</i> Glucose Oxidase Peroxide Generation. <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 273-286.	1.4	34
43	Opto-nanomechanical spectroscopic material characterization. <i>Nature Nanotechnology</i> , 2015, 10, 870-877.	15.6	34
44	Cellulose and lignin colocalization at the plant cell wall surface limits microbial hydrolysis of <i>Populus</i> biomass. <i>Green Chemistry</i> , 2017, 19, 2275-2285.	4.6	33
45	Influence of high biomass concentrations on alkane solubilities. , 2000, 68, 279-284.		32
46	Screening of resins for use in a biparticle fluidized-bed bioreactor for the continuous fermentation and separation of lactic acid. <i>Applied Biochemistry and Biotechnology</i> , 1994, 45-46, 545-554.	1.4	31
47	Spectroscopy and atomic force microscopy of biomass. <i>Ultramicroscopy</i> , 2010, 110, 701-707.	0.8	31
48	Controlled incorporation of deuterium into bacterial cellulose. <i>Cellulose</i> , 2014, 21, 927-936.	2.4	30
49	Impact of hydration and temperature history on the structure and dynamics of lignin. <i>Green Chemistry</i> , 2018, 20, 1602-1611.	4.6	30
50	Understanding Multiscale Structural Changes During Dilute Acid Pretreatment of Switchgrass and Poplar. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 426-435.	3.2	29
51	Plasticity, elasticity, and adhesion energy of plant cell walls: nanometrology of lignin loss using atomic force microscopy. <i>Scientific Reports</i> , 2017, 7, 152.	1.6	29
52	Transgenic switchgrass (<i>Panicum virgatum</i> L.) targeted for reduced recalcitrance to bioconversion: a 2-year comparative analysis of field-grown lines modified for target gene or genetic element expression. <i>Plant Biotechnology Journal</i> , 2017, 15, 688-697.	4.1	29
53	Deconstruction of biomass enabled by local demixing of cosolvents at cellulose and lignin surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16776-16781.	3.3	29
54	Specialized activities and expression differences for <i>Clostridium thermocellum</i> biofilm and planktonic cells. <i>Scientific Reports</i> , 2017, 7, 43583.	1.6	28

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55	Technoeconomic and life-cycle analysis of single-step catalytic conversion of wet ethanol into fungible fuel blendstocks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12576-12583.	3.3	27
56	Nomenclature and Methodology for Classification of Nontraditional Biocatalysis. Biotechnology Progress, 1997, 13, 512-518.	1.3	26
57	Development and use of a switchgrass (<i>Panicum virgatum</i> L.) transformation pipeline by the BioEnergy Science Center to evaluate plants for reduced cell wall recalcitrance. Biotechnology for Biofuels, 2017, 10, 309.	6.2	26
58	Tension wood structure and morphology conducive for better enzymatic digestion. Biotechnology for Biofuels, 2018, 11, 44.	6.2	26
59	Transgenic miR156 switchgrass in the field: growth, recalcitrance and rust susceptibility. Plant Biotechnology Journal, 2018, 16, 39-49.	4.1	26
60	Microbial Removal of Alkanes from Dilute Gaseous Waste Streams: Kinetics and Mass Transfer Considerations. Biotechnology Progress, 1997, 13, 814-821.	1.3	25
61	Genome-scale resources for <i>Thermoanaerobacterium saccharolyticum</i> . BMC Systems Biology, 2015, 9, 30.	3.0	24
62	A Novel Bioreactor-Cell Precipitator Combination for High-Cell Density, High-Flow Fermentations. Biotechnology Progress, 1985, 1, 250-259.	1.3	23
63	Direct transesterification of gases by "dry" immobilized lipase. Biotechnology and Bioengineering, 2002, 78, 251-256.	1.7	23
64	An advanced bioprocessing concept for the conversion of waste paper to ethanol. Applied Biochemistry and Biotechnology, 1994, 45-46, 641-653.	1.4	22
65	Progress in understanding and overcoming biomass recalcitrance: a BioEnergy Science Center (BESC) perspective. Biotechnology for Biofuels, 2017, 10, 285.	6.2	21
66	Hemicellulose-Cellulose Composites Reveal Differences in Cellulose Organization after Dilute Acid Pretreatment. Biomacromolecules, 2019, 20, 893-903.	2.6	21
67	Stable Competitive Coexistence in a Continuous Fermentor with Size-Selective Properties. Biotechnology Progress, 1985, 1, 260-269.	1.3	20
68	The effect of biotin on the production of succinic acid by <i>Anaerobiospirillum succiniciproducens</i> . Applied Biochemistry and Biotechnology, 1996, 57-58, 633-638.	1.4	20
69	Ethanol Production from Corn Starch in a Fluidized-Bed Bioreactor. Applied Biochemistry and Biotechnology, 1999, 78, 359-372.	1.4	20
70	<i>Clostridium thermocellum</i> DSM 1313 transcriptional responses to redox perturbation. Biotechnology for Biofuels, 2015, 8, 211.	6.2	20
71	Hemicellulose characterization of deuterated switchgrass. Bioresource Technology, 2018, 269, 567-570.	4.8	20
72	Dispersion and holdup in a three-phase fluidized-bed bioreactor. Applied Biochemistry and Biotechnology, 1989, 20-21, 449-460.	1.4	19

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73	Nanometrology of delignified <i>Populus</i> using mode synthesizing atomic force microscopy. <i>Nanotechnology</i> , 2011, 22, 465702.	1.3	19
74	The effect of coumaryl alcohol incorporation on the structure and composition of lignin dehydrogenation polymers. <i>Biotechnology for Biofuels</i> , 2017, 10, 281.	6.2	19
75	Utilization of microbially solubilized coal. <i>Applied Biochemistry and Biotechnology</i> , 1990, 24-25, 447-456.	1.4	18
76	Ethanol, the ultimate feedstock. <i>Applied Biochemistry and Biotechnology</i> , 1992, 34-35, 395-417.	1.4	18
77	Neutron Technologies for Bioenergy Research. <i>Industrial Biotechnology</i> , 2012, 8, 209-216.	0.5	17
78	Estimation of mass transfer and kinetics in operating trickle-bed bioreactors for removal of VOCS. <i>Environmental Progress</i> , 1999, 18, 87-92.	0.8	15
79	Production of deuterated switchgrass by hydroponic cultivation. <i>Planta</i> , 2015, 242, 215-222.	1.6	15
80	Catalytic Dehydration of Biomass Derived 1-Propanol to Propene over M-ZSM-5 (M = H, V, Cu, or Zn). <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4302-4308.	1.8	15
81	Substrate desolvation as a governing factor in enzymatic transformations of PAHs in aqueous-acetonitrile mixtures. <i>Biotechnology Progress</i> , 2004, 20, 1251-1254.	1.3	14
82	Coexistence of <i>S. cerevisiae</i> and <i>E. coli</i> in chemostat under substrate competition and product inhibition. <i>Biotechnology and Bioengineering</i> , 1986, 28, 1742-1752.	1.7	13
83	Minimizing the errors associated with the determination of effective diffusion coefficients when using spherical cell immobilization matrices. <i>Biotechnology and Bioengineering</i> , 1991, 37, 386-388.	1.7	13
84	Microbial removal of alkanes from dilute gaseous waste streams: mathematical modeling of advanced bioreactor systems. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 72, 93-98.	1.6	13
85	Karhunen's Loève treatment to remove noise and facilitate data analysis in sensing, spectroscopy and other applications. <i>Analyst</i> , 2014, 139, 5927-5935.	1.7	13
86	Bioavailability of Carbohydrate Content in Natural and Transgenic Switchgrasses for the Extreme Thermophile <i>Caldicellulosiruptor bescii</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	13
87	Nanometrology of Biomass for Bioenergy: The Role of Atomic Force Microscopy and Spectroscopy in Plant Cell Characterization. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	13
88	Economic impact of yield and composition variation in bioenergy crops: <i>Populus trichocarpa</i> . <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 176-188.	1.9	13
89	Modeling of an immobilized-cell three-phase fluidized-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 1991, 28-29, 685-698.	1.4	12
90	Design and demonstration of an immobilized-cell fluidized-bed reactor for the efficient production of ethanol. <i>Applied Biochemistry and Biotechnology</i> , 1995, 51-52, 559-568.	1.4	12

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91	Economic assessment of ethanol production comparing traditional and fluidized-bed bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 1995, 51-52, 593-604.	1.4	12
92	Piezoresistive cantilever array sensor for consolidated bioprocess monitoring. <i>Scanning</i> , 2009, 31, 204-210.	0.7	12
93	Towards cost-competitive middle distillate fuels from ethanol within a market-flexible biorefinery concept. <i>Green Chemistry</i> , 2021, 23, 9534-9548.	4.6	12
94	Performance of coimmobilized yeast and amyloglucosidase in a fluidized bed reactor for fuel ethanol production. <i>Applied Biochemistry and Biotechnology</i> , 1997, 63-65, 483-493.	1.4	11
95	Production of Bacterial Cellulose with Controlled Deuterium- ² H Hydrogen Substitution for Neutron Scattering Studies. <i>Methods in Enzymology</i> , 2015, 565, 123-146.	0.4	11
96	The impact of biotechnological advances on the future of US bioenergy. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 454-467.	1.9	11
97	Effect of in Vivo Deuteration on Structure of Switchgrass Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8004-8010.	3.2	11
98	Gas-phase enzyme catalysis using immobilized lipase for ester production. <i>Biotechnology Letters</i> , 1997, 11, 747-750.	0.5	10
99	Chemical and Morphological Structure of Transgenic Switchgrass Organosolv Lignin Extracted by Ethanol, Tetrahydrofuran, and ¹³ C-Valerolactone Pretreatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9041-9052.	3.2	10
100	Development of a predictive description of an immobilized-cell, three-phase, fluidized-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1995, 46, 139-146.	1.7	9
101	Production of ethanol from starch by co-immobilized <i>Zymomonas mobilis</i> -glucoamylase in a fluidized-bed reactor. <i>Applied Biochemistry and Biotechnology</i> , 1998, 70-72, 429-439.	1.4	9
102	Partitioning of BTEX constituents and chloroorganics in high-biomass systems. <i>Environmental Progress</i> , 2003, 22, 95-102.	0.8	9
103	Optomechanical spectroscopy with broadband interferometric and quantum cascade laser sources. <i>Optics Letters</i> , 2011, 36, 3251.	1.7	9
104	Catalytic Conversion of Biomass-Derived Ethanol to Liquid Hydrocarbon Blendstock: Effect of Light Gas Recirculation. <i>Energy & Fuels</i> , 2016, 30, 10611-10617.	2.5	9
105	Ultrastructure and Enzymatic Hydrolysis of Deuterated Switchgrass. <i>Scientific Reports</i> , 2018, 8, 13226.	1.6	9
106	Solvent-induced membrane stress in biofuel production: molecular insights from small-angle scattering and all-atom molecular dynamics simulations. <i>Green Chemistry</i> , 2020, 22, 8278-8288.	4.6	9
107	Techno-economic analysis of biocatalytic processes for production of alkene epoxides. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 437-449.	1.4	8
108	Improving Activity of Salt-Lyophilized Enzymes in Organic Media. <i>Applied Biochemistry and Biotechnology</i> , 2008, 146, 215-222.	1.4	8

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109	Solubility of toluene, benzene and TCE in high-microbial concentration systems. <i>Chemosphere</i> , 2008, 73, 1737-1740.	4.2	8
110	Development of New Methods in Scanning Probe Microscopy for Lignocellulosic Biomass Characterization. <i>Industrial Biotechnology</i> , 2012, 8, 245-249.	0.5	8
111	Genome Sequences of Industrially Relevant <i>Saccharomyces cerevisiae</i> Strain M3707, Isolated from a Sample of Distillers Yeast and Four Haploid Derivatives. <i>Genome Announcements</i> , 2013, 1, .	0.8	8
112	The DOE Bioenergy Research Centers: History, Operations, and Scientific Output. <i>Bioenergy Research</i> , 2015, 8, 881-896.	2.2	8
113	Structural Insights into Low and High Recalcitrance Natural Poplar Variants Using Neutron and X-ray Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13838-13849.	3.2	7
114	Structural Reorganization of Noncellulosic Polymers Observed In Situ during Dilute Acid Pretreatment by Small-Angle Neutron Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 314-322.	3.2	7
115	Use of immobilized microbial membrane fragments to remove oxygen and favor the acetone-butanol fermentation. <i>Biotechnology Progress</i> , 1990, 6, 210-213.	1.3	6
116	Gas holdup in three-phase immobilized-cell bioreactors. <i>Applied Biochemistry and Biotechnology</i> , 1990, 24-25, 485-496.	1.4	6
117	Phase Holdup and Dispersion in a Three-Phase Fluidized-Bed Bioreactor with Low-Density Gel Beads. <i>Annals of the New York Academy of Sciences</i> , 1990, 589, 670-677.	1.8	6
118	Sustained degradation of n-pentane and isobutane in a gas-phase bioreactor. <i>Biotechnology Letters</i> , 1993, 15, 633-636.	1.1	6
119	Silencing Folylpolylglutamate Synthetase1 (FPGS1) in Switchgrass (<i>Panicum virgatum</i> L.) Improves Lignocellulosic Biofuel Production. <i>Frontiers in Plant Science</i> , 2020, 11, 843.	1.7	6
120	Size changes associated with metal adsorption onto modified bone gelatin beads. <i>Biotechnology and Bioengineering</i> , 1991, 38, 923-928.	1.7	5
121	The removal of alkanes in a liquid-continuous gas-phase bioreactor: Preliminary considerations. <i>Applied Biochemistry and Biotechnology</i> , 1994, 45-46, 917-923.	1.4	5
122	Modeling scale-up effects on a small pilot-scale fluidized-bed reactor for fuel ethanol production. <i>Applied Biochemistry and Biotechnology</i> , 1996, 57-58, 639-647.	1.4	5
123	The Goals and Research of the BioEnergy Sciences Center (BESC): Developing Cost-effective and Sustainable Means of Producing Biofuels by Overcoming Biomass Recalcitrance. <i>Bioenergy Research</i> , 2009, 2, 177-178.	2.2	5
124	Optical and plasmonic spectroscopy with cantilever shaped materials. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 445102.	1.3	5
125	Fermentation of Dilute Acid Pretreated Populus by <i>Clostridium thermocellum</i> , <i>Caldicellulosiruptor bescii</i> , and <i>Caldicellulosiruptor obsidiansis</i> . <i>Bioenergy Research</i> , 2015, 8, 1014-1021.	2.2	5
126	Effect of Temperature on Biofiltration of Nitric Oxide. <i>Applied Biochemistry and Biotechnology</i> , 2001, 91-93, 205-212.	1.4	4

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127	Performance of Chloroperoxidase Stabilization in Mesoporous Sol-Gel Glass Using In Situ Glucose Oxidase Peroxide Generation. , 2004, , 273-285.		4
128	Stability characterization and comparison of two fluidized-bed bioreactors. Bioprocess and Biosystems Engineering, 1994, 10, 1-3.	0.5	3
129	Allelopathic effects of exogenous phenylalanine: a comparison of four monocot species. Planta, 2017, 246, 673-685.	1.6	3
130	Production of deuterated biomass by cultivation of Lemna minor (duckweed) in D2O. Planta, 2019, 249, 1465-1475.	1.6	3
131	Gene targets for engineering osmotolerance in Caldicellulosiruptor bescii. Biotechnology for Biofuels, 2020, 13, 50.	6.2	3
132	Ethanol Production from Corn Starch in a Fluidized-Bed Bioreactor. , 1999, , 359-372.		3
133	Accumulation of Cu++ onto modified bone-gelatin beads. Biotechnology Letters, 1990, 4, 435-440.	0.5	2
134	The Increasing Importance and Capabilities of Biomass Characterization. Industrial Biotechnology, 2012, 8, 189-190.	0.5	2
135	Anaerobic microplate assay for direct microbial conversion of switchgrass and Avicel using Clostridium thermocellum. Biotechnology Letters, 2018, 40, 303-308.	1.1	2
136	Succinic Acid Adsorption from Fermentation Broth and Regeneration. , 2004, , 653-669.		2
137	A Simplified Method To Create Quantitative, "Fixed" Uranyl-Contaminated Metal Coupons. Health Physics, 2004, 86, S113-S115.	0.3	1
138	Ethanol Production from Glucose and Xylose by Immobilized Zymomonas mobilis CP4(pZB5). , 2000, , 525-541.		1
139	Influence of high biomass concentrations on alkane solubilities. Biotechnology and Bioengineering, 2000, 68, 279-84.	1.7	1
140	n-Butanol or isobutanol as a value-added fuel additive to inhibit microbial degradation of stored gasoline. Fuel Communications, 2022, 12, 100072.	2.0	1
141	Introduction to the Proceedings of the Seventeenth Symposium on Biotechnology for Fuels and Chemicals. Applied Biochemistry and Biotechnology, 1996, 57-58, iii-vi.	1.4	0
142	Techno-Economic Analysis of Biocatalytic Processes for Production of Alkene Epoxides. , 2007, , 437-449.		0
143	Session 9: Advances in Bioprocessing and Related Separations Technology. Applied Biochemistry and Biotechnology, 2009, 155, 126-127.	1.4	0
144	Cover Image, Volume 15, Issue 1. Biofuels, Bioproducts and Biorefining, 2021, 15, i.	1.9	0

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145	Enhancement of the Conversion of Toluene by <i>Pseudomonas putida</i> F-1 Using Organic Cosolvents. , 2001, , 195-204.		0
146	Effect of Temperature on Biofiltration of Nitric Oxide. , 2001, , 205-211.		0
147	Modeling Scale-Up Effects on a Small Pilot-Scale Fluidized-Bed Reactor for Fuel Ethanol Production. , 1996, , 639-647.		0
148	Performance of Coimmobilized Yeast and Amyloglucosidase in a Fluidized Bed Reactor for Fuel Ethanol Production. , 1997, , 483-493.		0
149	Production of Ethanol from Starch by Co-Immobilized <i>Zymomonas mobilis</i> -Glucoamylase in a Fluidized-Bed Reactor. , 1998, , 429-439.		0
150	Deuterium incorporation into cellulose: a mini-review of biological and chemical methods. <i>Cellulose</i> , 2022, 29, 4269.	2.4	0