Diethard Mattanovich

List of Publications by Year
in descending order

185	11,965	17440 63	30922 102
papers	citations	h-index	g-index

192	192	192	9412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adaptive laboratory evolution and reverse engineering enhances autotrophic growth in Pichia pastoris. Metabolic Engineering, 2022, 69, 112-121.	7.0	21
2	Going beyond the limit: Increasing global translation activity leads to increased productivity of recombinant secreted proteins in Pichia pastoris. Metabolic Engineering, 2022, 70, 181-195.	7.0	11
3	Microbial protein cell factories fight back?. Trends in Biotechnology, 2022, 40, 576-590.	9.3	27
4	Genotypic and phenotypic diversity among Komagataella species reveals a hidden pathway for xylose utilization. Microbial Cell Factories, 2022, 21, 70.	4.0	4
5	The Degree and Length of Oâ€Glycosylation of Recombinant Proteins Produced in Pichia pastoris Depends on the Nature of the Protein and the Process Type. Biotechnology Journal, 2021, 16, e2000266.	3.5	9
6	Microscale Perfusionâ€Based Cultivation for Pichia pastoris Clone Screening Enables Accelerated and Optimized Recombinant Protein Production Processes. Biotechnology Journal, 2021, 16, e2000215.	3.5	7
7	Beyond alcohol oxidase: the methylotrophic yeast Komagataella phaffii utilizes methanol also with its native alcohol dehydrogenase Adh2. FEMS Yeast Research, 2021, 21, .	2.3	14
8	Two homologs of the Cat8 transcription factor are involved in the regulation of ethanol utilization in Komagataella phaffii. Current Genetics, 2021, 67, 641-661.	1.7	9
9	Fermenting Futures: an artistic view on yeast biotechnology. FEMS Yeast Research, 2021, 21, .	2.3	1
10	Established tools and emerging trends for the production of recombinant proteins and metabolites in Pichia pastoris. Essays in Biochemistry, 2021, 65, 293-307.	4.7	16
11	Microbial cell factories: a biotechnology journey across species. Essays in Biochemistry, 2021, 65, 143-145.	4.7	1
12	Eukaryotic Expression Systems for Upstream Processing of Monoclonal Antibodies. Learning Materials in Biosciences, 2021, , 343-362.	0.4	0
13	What makes Komagataella phaffii non-conventional?. FEMS Yeast Research, 2021, 21, .	2.3	20
14	The metabolic growth limitations of petite cells lacking the mitochondrial genome. Nature Metabolism, 2021, 3, 1521-1535.	11.9	29
15	The secretome of Pichia pastoris in fedâ€batch cultivations is largely independent of the carbon source but changes quantitatively over cultivation time. Microbial Biotechnology, 2020, 13, 479-494.	4.2	15
16	The industrial yeast Pichia pastoris is converted from a heterotroph into an autotroph capable of growth on CO2. Nature Biotechnology, 2020, 38, 210-216.	17.5	200
17	Pseudohyphal differentiation in Komagataella phaffii: investigating the FLO gene family. FEMS Yeast Research, 2020, 20, .	2.3	5
18	Fine-Tuning of Transcription in Pichia pastoris Using dCas9 and RNA Scaffolds. ACS Synthetic Biology, 2020, 9, 3202-3209.	3.8	11

#	Article	IF	Citations
19	Slow Growth and Increased Spontaneous Mutation Frequency in Respiratory Deficient afo1- Yeast Suppressed by a Dominant Mutation in ATP3. G3: Genes, Genomes, Genetics, 2020, 10, 4637-4648.	1.8	7
20	Komagataella phaffii YPS1-5 encodes the alpha-factor degrading protease Bar1. FEMS Yeast Research, 2020, 20, .	2.3	1
21	Downscaling screening cultures in a multifunctional bioreactor arrayâ€onâ€achip for speeding up optimization of yeastâ€based lactic acid bioproduction. Biotechnology and Bioengineering, 2020, 117, 2046-2057.	3.3	7
22	Engineered Deregulation of Expression in Yeast with Designed Hybridâ€Promoter Architectures in Coordination with Discovered Master Regulator Transcription Factor. Advanced Biology, 2020, 4, e1900172.	3.0	18
23	Characterization of methanol utilization negative Pichia pastoris for secreted protein production: New cultivation strategies for current and future applications. Biotechnology and Bioengineering, 2020, 117, 1394-1405.	3.3	19
24	A subcellular proteome atlas of the yeastKomagataella phaffii. FEMS Yeast Research, 2020, 20, .	2.3	16
25	Microbe Profile: Komagataella phaffii: a methanol devouring biotech yeast formerly known as Pichia pastoris. Microbiology (United Kingdom), 2020, 166, 614-616.	1.8	19
26	13 YeastÂCellÂFactories. , 2020, , 319-337.		0
27	Disruption of vacuolar protein sorting components of the HOPS complex leads to enhanced secretion of recombinant proteins in Pichia pastoris. Microbial Cell Factories, 2019, 18, 119.	4.0	24
28	Engineering of alcohol dehydrogenase 2 hybridâ€promoter architectures in Pichia pastoris to enhance recombinant protein expression on ethanol. Biotechnology and Bioengineering, 2019, 116, 2674-2686.	3.3	33
29	Detection and Elimination of Cellular Bottlenecks in Protein-Producing Yeasts. Methods in Molecular Biology, 2019, 1923, 75-95.	0.9	29
30	CRISPR/Cas9-Mediated Homology-Directed Genome Editing in Pichia pastoris. Methods in Molecular Biology, 2019, 1923, 211-225.	0.9	45
31	Engineering of the citrate exporter protein enables high citric acid production in Aspergillus niger. Metabolic Engineering, 2019, 52, 224-231.	7.0	99
32	Towards optimal substrate feeding for heterologous protein production in Pichia pastoris (Komagataella spp) fedâ€batch processes under P_{AOX1} control: a modeling aided approach. Journal of Chemical Technology and Biotechnology, 2018, 93, 3208-3218.	3.2	13
33	Metabolic engineering of Pichia pastoris. Metabolic Engineering, 2018, 50, 2-15.	7.0	163
34	Creation of Stable Heterothallic Strains of Komagataella phaffii Enables Dissection of Mating Gene Regulation. Molecular and Cellular Biology, 2018, 38, .	2.3	20
35	A single Gal4-like transcription factor activates the Crabtree effect in Komagataella phaffii. Nature Communications, 2018, 9, 4911.	12.8	36
36	A yeast for all seasons â€“ Is Pichia pastoris a suitable chassis organism for future bioproduction?. FEMS Microbiology Letters, 2018, 365, .	1.8	40

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37	Superior protein titers in half the fermentation time: Promoter and process engineering for the glucoseâ€regulated GTH1 promoter of Pichia pastoris. Biotechnology and Bioengineering, 2018, 115, 2479-2488.	3.3	33
38	Identification and characterization of the Komagataella phaffii mating pheromone genes. FEMS Yeast Research, 2018, 18, .	2.3	13
39	The impact of ERAD on recombinant protein secretion in Pichia pastoris (syn Komagataella spp.). Microbiology (United Kingdom), 2018, 164, 453-463.	1.8	25
40	Disruption of genes involved in CORVET complex leads to enhanced secretion of heterologous carboxylesterase only in protease deficient Pichia pastoris. Biotechnology Journal, 2017, 12, 1600584.	3.5	37
41	An efficient tool for metabolic pathway construction and gene integration for Aspergillus niger. Bioresource Technology, 2017, 245, 1327-1333.	9.6	93
42	Impact of glutathione metabolism on zinc homeostasis in Saccharomyces cerevisiae. FEMS Yeast Research, 2017, 17, .	2.3	6
43	Metabolomics of Pichia pastoris: impact of buffering conditions on the kinetics and nature of metabolite loss during quenching. FEMS Yeast Research, 2017, 17, .	2.3	9
44	Increased dosage of AOX1 promoter-regulated expression cassettes leads to transcription attenuation of the methanol metabolism in Pichia pastoris. Scientific Reports, 2017, 7, 44302.	3.3	55
45	Implications of evolutionary engineering for growth and recombinant protein production in methanol-based growth media in the yeast Pichia pastoris. Microbial Cell Factories, 2017, 16, 49.	4.0	28
46	Systems biotechnology for protein production in Pichia pastoris. FEMS Yeast Research, 2017, 17, .	2.3	91
47	Biomarkers allow detection of nutrient limitations and respective supplementation for elimination in Pichia pastoris fed-batch cultures. Microbial Cell Factories, 2017, 16, 117.	4.0	17
48	Transcriptional engineering of the glyceraldehydeâ€3â€phosphate dehydrogenase promoter for improved heterologous protein production in Pichia pastoris. Biotechnology and Bioengineering, 2017, 114, 2319-2327.	3.3	51
49	Microbial organic acid production as carbon dioxide sink. FEMS Microbiology Letters, 2017, 364, .	1.8	28
50	GoldenPiCS: a Golden Gate-derived modular cloning system for applied synthetic biology in the yeast Pichia pastoris. BMC Systems Biology, 2017, 11, 123.	3.0	105
51	Curation of the genome annotation ofPichia pastoris(Komagataella phaffii) CBS7435 from gene level to protein function. FEMS Yeast Research, 2016, 16, fow051.	2.3	69
52	Increasing pentose phosphate pathway flux enhances recombinant protein production in Pichia pastoris. Applied Microbiology and Biotechnology, 2016, 100, 5955-5963.	3.6	54
53	Complete genome sequence and transcriptome regulation of the pentose utilizing yeastSugiyamaella lignohabitans. FEMS Yeast Research, 2016, 16, fow037.	2.3	11
54	In vivo synthesized ³⁴S enriched amino acid standards for species specific isotope dilution of proteins. Journal of Analytical Atomic Spectrometry, 2016, 31, 1830-1835.	3.0	14

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55	Pichia pastoris Exhibits High Viability and a Low Maintenance Energy Requirement at Near-Zero Specific Growth Rates. Applied and Environmental Microbiology, 2016, 82, 4570-4583.	3.1	52
56	The vitaminâ€sensitive promoter P_{THI11} enables preâ€defined autonomous induction of recombinant protein production in Pichia pastoris. Biotechnology and Bioengineering, 2016, 113, 2633-2643.	3.3	33
57	Functional inclusion bodies produced in the yeast Pichia pastoris. Microbial Cell Factories, 2016, 15, 166.	4.0	32
58	The bud tip is the cellular hot spot of protein secretion in yeasts. Applied Microbiology and Biotechnology, 2016, 100, 8159-8168.	3.6	10
59	Characterizing MttA as a mitochondrial cis-aconitic acid transporter by metabolic engineering. Metabolic Engineering, 2016, 35, 95-104.	7.0	42
60	Synthetic Biology Assisting Metabolic Pathway Engineering. , 2016, , 255-280.		2
61	Non-genetic impact factors on chronological lifespan and stress resistance of bakerâ€™s yeast. Microbial Cell, 2016, 3, 232-235.	3.2	4
62	Systems-level organization of yeast methylotrophic lifestyle. BMC Biology, 2015, 13, 80.	3.8	118
63	Multistep processing of the secretion leader of the extracellular protein Epx1 in Pichia pastoris and implications for protein localization. Microbiology (United Kingdom), 2015, 161, 1356-1368.	1.8	20
64	Pichia pastoris regulates its gene-specific response to different carbon sources at the transcriptional, rather than the translational, level. BMC Genomics, 2015, 16, 167.	2.8	77
65	Methanol regulated yeast promoters: production vehicles and toolbox for synthetic biology. Microbial Cell Factories, 2015, 14, 196.	4.0	35
66	Methylation of ribosomal RNA by NSUN5 is a conserved mechanism modulating organismal lifespan. Nature Communications, 2015, 6, 6158.	12.8	231
67	Quo vadis? The challenges of recombinant protein folding and secretion in Pichia pastoris. Applied Microbiology and Biotechnology, 2015, 99, 2925-2938.	3.6	134
68	Enhanced glutathione production by evolutionary engineering of Saccharomyces cerevisiae strains. Biotechnology Journal, 2015, 10, 1719-1726.	3.5	31
69	Organic acids from lignocellulose: Candida lignohabitans as a new microbial cell factory. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 681-691.	3.0	33
70	Metabolomics sampling ofPichia pastorisrevisited: rapid filtration prevents metabolite loss during quenching. FEMS Yeast Research, 2015, 15, fov049.	2.3	14
71	Gas Chromatography-Quadrupole Time-of-Flight Mass Spectrometry-Based Determination of Isotopologue and Tandem Mass Isotopomer Fractions of Primary Metabolites for ¹³C-Metabolic Flux Analysis. Analytical Chemistry, 2015, 87, 11792-11802.	6.5	35
72	Metabolomics integrated elementary flux mode analysis in large metabolic networks. Scientific Reports, 2015, 5, 8930.	3.3	49

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73	Overexpression of the transcription factor Yap1 modifies intracellular redox conditions and enhances recombinant protein secretion. Microbial Cell, 2014, 1, 376-386.	3.2	27
74	Pichia pastoris Aft1 - a novel transcription factor, enhancing recombinant protein secretion. Microbial Cell Factories, 2014, 13, 120.	4.0	33
75	Integrative omics analysis. A study based on Plasmodium falciparum mRNA and protein data. BMC Systems Biology, 2014, 8, S4.	3.0	13
76	In Pichia pastoris, growth rate regulates protein synthesis and secretion, mating and stress response. Biotechnology Journal, 2014, 9, 511-525.	3.5	86
77	Heading for an economic industrial upgrading of crude glycerol from biodiesel production to 1,3-propanediol by Lactobacillus diolivorans. Bioresource Technology, 2014, 152, 499-504.	9.6	73
78	The lipidome and proteome of microsomes from the methylotrophic yeast Pichia pastoris. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 215-226.	2.4	34
79	Sample preparation workflow for the liquid chromatography tandem mass spectrometry based analysis of nicotinamide adenine dinucleotide phosphate cofactors in yeast^{â€}. Journal of Separation Science, 2014, 37, 2185-2191.	2.5	19
80	Old obstacles and new horizons for microbial chemical production. Current Opinion in Biotechnology, 2014, 30, 101-106.	6.6	25
81	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. Applied Microbiology and Biotechnology, 2014, 98, 7535-7548.	3.6	29
82	Yeast biotechnology: teaching the old dog new tricks. Microbial Cell Factories, 2014, 13, 34.	4.0	91
83	Pichia pastoris secretes recombinant proteins less efficiently than Chinese hamster ovary cells but allows higher spaceâ€time yields for less complex proteins. Biotechnology Journal, 2014, 9, 526-537.	3.5	55
84	Engineering of Protein Folding and Secretionâ€”Strategies to Overcome Bottlenecks for Efficient Production of Recombinant Proteins. Antioxidants and Redox Signaling, 2014, 21, 414-437.	5.4	78
85	Model based engineering of Pichia pastoris central metabolism enhances recombinant protein production. Metabolic Engineering, 2014, 24, 129-138.	7.0	130
86	Production of Metabolites and Heterologous Proteins. , 2014, , 299-326.		1
87	Accurate quantification of the redox-sensitive GSH/GSSG ratios in the yeast Pichia pastoris by HILICâ€“MS/MS. Analytical and Bioanalytical Chemistry, 2013, 405, 2031-2039.	3.7	34
88	Adaptive laboratory evolution â€“ principles and applications for biotechnology. Microbial Cell Factories, 2013, 12, 64.	4.0	566
89	Repressible promoters â€“ A novel tool to generate conditional mutants in Pichia pastoris. Microbial Cell Factories, 2013, 12, 6.	4.0	39
90	Induction without methanol: novel regulated promoters enable high-level expression in Pichia pastoris. Microbial Cell Factories, 2013, 12, 5.	4.0	114

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91	Genetic engineering ofLactobacillus diolivorans. FEMS Microbiology Letters, 2013, 344, 152-158.	1.8	17
92	Identification and deletion of the major secreted protein of Pichia pastoris. Applied Microbiology and Biotechnology, 2013, 97, 1241-1249.	3.6	32
93	Editorial: Metabolic modeling in biotechnology and medical research. Biotechnology Journal, 2013, 8, 962-963.	3.5	1
94	Six novel constitutive promoters for metabolic engineering of Aspergillus niger. Applied Microbiology and Biotechnology, 2013, 97, 259-267.	3.6	60
95	Recombinant protein production 6: a comparative view on host physiology. New Biotechnology, 2013, 30, 246.	4.4	2
96	Targeting enzymes to the right compartment: Metabolic engineering for itaconic acid production by Aspergillus niger. Metabolic Engineering, 2013, 19, 26-32.	7.0	98
97	Biochemistry of microbial itaconic acid production. Frontiers in Microbiology, 2013, 4, 23.	3.5	138
98	Pichia pastoris: protein production host and model organism for biomedical research. Future Microbiology, 2013, 8, 191-208.	2.0	198
99	The secretory pathway: exploring yeast diversity. FEMS Microbiology Reviews, 2013, 37, 872-914.	8.6	176
100	Unconventional microbial systems for the cost-efficient production of high-quality protein therapeutics. Biotechnology Advances, 2013, 31, 140-153.	11.7	116
101	Interlaboratory comparison for quantitative primary metabolite profiling in Pichia pastoris. Analytical and Bioanalytical Chemistry, 2013, 405, 5159-5169.	3.7	23
102	Integrative Analysis of -Omics Data: A Method Comparison. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
103	<scp>U</scp>¹³<scp>C</scp> cell extract of <scp>P</scp>ichia pastoris â€“ a powerful tool for evaluation of sample preparation in metabolomics. Journal of Separation Science, 2012, 35, 3091-3105.	2.5	66
104	1,3-Propanediol production from glycerol with Lactobacillus diolivorans. Bioresource Technology, 2012, 119, 133-140.	9.6	115
105	From rumen to industry. Microbial Cell Factories, 2012, 11, 121.	4.0	17
106	Systems metabolic engineering, industrial biotechnology and microbial cell factories. Microbial Cell Factories, 2012, 11, 156.	4.0	65
107	Mass spectrometry based analysis of nucleotides, nucleosides, and nucleobasesâ€”application to feed supplements. Analytical and Bioanalytical Chemistry, 2012, 404, 799-808.	3.7	32
108	Recombinant Protein Production in Yeasts. Methods in Molecular Biology, 2012, 824, 329-358.	0.9	245

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109	Oxidative protein folding and unfolded protein response elicit differing redox regulation in endoplasmic reticulum and cytosol of yeast. Free Radical Biology and Medicine, 2012, 52, 2000-2012.	2.9	81
110	Recombinant Fab expression and secretion in Escherichia coli continuous culture at medium cell densities: Influence of temperature. Process Biochemistry, 2012, 47, 446-452.	3.7	21
111	Construction of microbial cell factories for industrial bioprocesses. Journal of Chemical Technology and Biotechnology, 2012, 87, 445-450.	3.2	31
112	Intracellular interactome of secreted antibody Fab fragment in Pichia pastoris reveals its routes of secretion and degradation. Applied Microbiology and Biotechnology, 2012, 93, 2503-2512.	3.6	33
113	Induction and Measurement of UPR and Osmotic Stress in the Yeast Pichia pastoris. Methods in Enzymology, 2011, 489, 165-188.	1.0	12
114	A Gene Optimization Strategy that Enhances Production of Fully Functional P-Glycoprotein in Pichia pastoris. PLoS ONE, 2011, 6, e22577.	2.5	92
115	Production of recombinant proteins and metabolites in yeasts. Applied Microbiology and Biotechnology, 2011, 89, 939-948.	3.6	90
116	Modeling and measuring intracellular fluxes of secreted recombinant protein in Pichia pastoris with a novel 34S labeling procedure. Microbial Cell Factories, 2011, 10, 47.	4.0	37
117	Protein trafficking, ergosterol biosynthesis and membrane physics impact recombinant protein secretion in Pichia pastoris. Microbial Cell Factories, 2011, 10, 93.	4.0	51
118	The impact of oxygen on the transcriptome of recombinant S. cerevisiae and P. pastoris - a comparative analysis. BMC Genomics, 2011, 12, 218.	2.8	40
119	Influence of growth temperature on the production of antibody Fab fragments in different microbes: A host comparative analysis. Biotechnology Progress, 2011, 27, 38-46.	2.6	46
120	Reverse engineering of protein secretion by uncoupling of cell cycle phases from growth. Biotechnology and Bioengineering, 2011, 108, 2403-2412.	3.3	26
121	Genome Sequence of the Ruminal Bacterium Megasphaera elsdenii. Journal of Bacteriology, 2011, 193, 5578-5579.	2.2	44
122	The Beginning of Biorefineries. Perspectives for the Era after the End of Fossil Resources In Zukunft Bioraffinerien. Perspektiven fÃ¼r die Zeit nach dem Ende fossiler Rohstoffe. Gaia, 2011, 20, 286-288.	0.7	0
123	Genomeâ€scale metabolic model of methylotrophic yeast Pichia pastoris and its use for in silico analysis of heterologous protein production. Biotechnology Journal, 2010, 5, 705-715.	3.5	111
124	The response to unfolded protein is involved in osmotolerance of Pichia pastoris. BMC Genomics, 2010, 11, 207.	2.8	74
125	A multi-level study of recombinant Pichia pastoris in different oxygen conditions. BMC Systems Biology, 2010, 4, 141.	3.0	136
126	Genomeâ€scale analysis of library sorting (GALibSo): Isolation of secretion enhancing factors for recombinant protein production in Pichia pastoris. Biotechnology and Bioengineering, 2010, 105, 543-555.	3.3	34

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127	Identification and characterisation of novel Pichia pastoris promoters for heterologous protein production. Journal of Biotechnology, 2010, 150, 519-529.	3.8	110
128	Engineering of biotin-prototrophy in Pichia pastoris for robust production processes. Metabolic Engineering, 2010, 12, 573-580.	7.0	27
129	Monitoring intracellular redox conditions in the endoplasmic reticulum of living yeasts. FEMS Microbiology Letters, 2010, 306, 61-66.	1.8	47
130	Monitoring intracellular redox conditions in the endoplasmic reticulum of living yeasts. FEMS Microbiology Letters, 2010, , no-no.	1.8	0
131	16 years research on lactic acid production with yeast â€“ ready for the market?. Biotechnology and Genetic Engineering Reviews, 2010, 27, 229-256.	6.2	114
132	Yeast systems biotechnology for the production of heterologous proteins. FEMS Yeast Research, 2009, 9, 335-348.	2.3	69
133	Directed gene copy number amplification inPichia pastorisby vector integration into the ribosomal DNA locus. FEMS Yeast Research, 2009, 9, 1260-1270.	2.3	104
134	Engineering of bottlenecks in Rhizopus oryzae lipase production in Pichia pastoris using the nitrogen source-regulated FLD1 promoter. New Biotechnology, 2009, 25, 396-403.	4.4	46
135	The Effect of Temperature on the Proteome of Recombinant Pichia pastoris. Journal of Proteome Research, 2009, 8, 1380-1392.	3.7	170
136	Genome, secretome and glucose transport highlight unique features of the protein production host Pichia pastoris. Microbial Cell Factories, 2009, 8, 29.	4.0	189
137	Open access to sequence: Browsing the Pichia pastoris genome. Microbial Cell Factories, 2009, 8, 53.	4.0	55
138	Macromolecular and elemental composition analysis and extracellular metabolite balances of Pichia pastoris growing at different oxygen levels. Microbial Cell Factories, 2009, 8, 65.	4.0	112
139	Hypoxic fedâ€batch cultivation of Pichia pastoris increases specific and volumetric productivity of recombinant proteins. Biotechnology and Bioengineering, 2008, 100, 177-183.	3.3	113
140	Effect of Increased Expression of Protein Disulfide Isomerase and Heavy Chain Binding Protein on Antibody Secretion in a Recombinant CHO Cell Line. Biotechnology Progress, 2008, 21, 106-111.	2.6	164
141	Novel insights into the unfolded protein response using Pichia pastoris specific DNA microarrays. BMC Genomics, 2008, 9, 390.	2.8	103
142	Microbial production of organic acids: expanding the markets. Trends in Biotechnology, 2008, 26, 100-108.	9.3	680
143	Protein folding and conformational stress in microbial cells producing recombinant proteins: a host comparative overview. Microbial Cell Factories, 2008, 7, 11.	4.0	269
144	Overexpression of the riboflavin biosynthetic pathway in Pichia pastoris. Microbial Cell Factories, 2008, 7, 23.	4.0	81

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145	The scientific impact of microbial cell factories. Microbial Cell Factories, 2008, 7, 33.	4.0	3
146	Microbial Production of 1,3-Propanediol. Recent Patents on Biotechnology, 2008, 2, 191-197.	0.8	33
147	Divergent Genetic Control of Protein Solubility and Conformational Quality in Escherichia coli. Journal of Molecular Biology, 2007, 374, 195-205.	4.2	85
148	High level expression of a promising anti-idiotypic antibody fragment vaccine against HIV-1 in Pichia pastoris. Journal of Biotechnology, 2007, 128, 735-746.	3.8	41
149	Transcriptomics-Based Identification of Novel Factors Enhancing Heterologous Protein Secretion in Yeasts. Applied and Environmental Microbiology, 2007, 73, 6499-6507.	3.1	148
150	Recombinant protein production in the new Millennium. Microbial Cell Factories, 2007, 6, 33.	4.0	2
151	Monitoring of transcriptional regulation in Pichia pastoris under protein production conditions. BMC Genomics, 2007, 8, 179.	2.8	105
152	Antibody production with yeasts and filamentous fungi: on the road to large scale?. Biotechnology Letters, 2007, 29, 201-212.	2.2	68
153	Biosynthesis of Vitamin C by Yeast Leads to Increased Stress Resistance. PLoS ONE, 2007, 2, e1092.	2.5	78
154	Title is missing!. Microbial Cell Factories, 2006, 5, P53.	4.0	0
155	Title is missing!. Microbial Cell Factories, 2006, 5, P61.	4.0	17
156	Applications of cell sorting in biotechnology. Microbial Cell Factories, 2006, 5, 12.	4.0	125
157	Versatile modeling and optimization of fed batch processes for the production of secreted heterologous proteins with Pichia pastoris. Microbial Cell Factories, 2006, 5, 37.	4.0	97
158	Lactate production yield from engineered yeasts is dependent from the host background, the lactate dehydrogenase source and the lactate export. Microbial Cell Factories, 2006, 5, 4.	4.0	84
159	Cloning, disruption and protein secretory phenotype of theGAS1homologue ofPichia pastoris. FEMS Microbiology Letters, 2006, 264, 40-47.	1.8	35
160	Engineering ofPichia pastoris for improved production of antibody fragments. Biotechnology and Bioengineering, 2006, 94, 353-361.	3.3	177
161	Improvement of Lactic Acid Production in Saccharomyces cerevisiae by Cell Sorting for High Intracellular pH. Applied and Environmental Microbiology, 2006, 72, 5492-5499.	3.1	351
162	Recombinant Protein Production in Yeasts. Molecular Biotechnology, 2005, 31, 245-260.	2.4	152

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163	Intracellular pH Distribution in Saccharomyces cerevisiae Cell Populations, Analyzed by Flow Cytometry. Applied and Environmental Microbiology, 2005, 71, 1515-1521.	3.1	94
164	Effects of gene dosage, promoters, and substrates on unfolded protein stress of recombinantPichia pastoris. Biotechnology and Bioengineering, 2004, 85, 367-375.	3.3	243
165	Differential gene expression in recombinant Pichia pastoris analysed by heterologous DNA microarray hybridisation. Microbial Cell Factories, 2004, 3, 17.	4.0	55
166	Recombinant Protein Production in Yeasts. , 2004, 267, 241-258.		8
167	Bacterial expression and refolding of human trypsinogen. Journal of Biotechnology, 2004, 109, 3-11.	3.8	25
168	Stress in recombinant protein producing yeasts. Journal of Biotechnology, 2004, 113, 121-135.	3.8	209
169	Assessing viability and cell-associated product of recombinant protein producing Pichia pastoris with flow cytometry. Journal of Biotechnology, 2003, 102, 281-290.	3.8	96
170	Optimization of recombinant protein expression level inEscherichia coli by flow cytometry and cell sorting. Biotechnology and Bioengineering, 2002, 80, 93-99.	3.3	17
171	Production of Recombinant Human Trypsinogen in Escherichia Coli and Pichia Pastoris. , 2001, , 339-346.		0
172	Flow Cytometric Analysis of Metabolic Stress Effects Due to Recombinant Plasmids and Proteins in Escherichia coli Production Strains. Metabolic Engineering, 1999, 1, 270-274.	7.0	15
173	Rational design of an improved induction scheme for recombinantEscherichia coli. , 1998, 58, 296-298.		15
174	Recombinant Expression of Alliin Lyase from Garlic (Allium sativum) in Bacteria and Yeasts. Planta Medica, 1998, 64, 387-388.	1.3	14
175	Optimization of Recombinant Gene Expression in Escherichia colia. Annals of the New York Academy of Sciences, 1996, 782, 182-190.	3.8	13
176	Degradation of carbondisulphide by a Thiobacillus isolate. Applied Microbiology and Biotechnology, 1993, 38, 820-823.	3.6	24
177	Regeneration of transgenic plants of Prunus armeniaca containing the coat protein gene of Plum Pox Virus. Plant Cell Reports, 1992, 11, 25-29.	5.6	138
178	Coat protein mediated resistance to Plum Pox Virus in Nicotiana clevelandii and N. benthamiana. Plant Cell Reports, 1992, 11, 30-33.	5.6	69
179	Amino-acid sequence comparison of nepovirus coat proteins. Virus Genes, 1992, 6, 197-202.	1.6	15
180	Engineered gene forEscherichia colialkaline phosphatase for the construction of translational fusions. Nucleic Acids Research, 1990, 18, 1069-1069.	14.5	16

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181	Efficient transformation ofAgrobacteriumspp. by eletroporation. Nucleic Acids Research, 1989, 17, 6747-6747.	14.5	194
182	Stopping the DNA polymerase activity at a specific site with a dideoxyoligonucleotide: selective labelling of single stranded circular DNA. Nucleic Acids Research, 1989, 17, 8384-8384.	14.5	0
183	Expression of the plum pox virus coat protein region in Escherichia coli. Virus Genes, 1989, 2, 119-127.	1.6	9
184	The high efficiency, human B cell immortalizing heteromyeloma CB-F7. Journal of Immunological Methods, 1988, 106, 257-265.	1.4	115
185	Early screening for anti-plum pox virus monoclonal antibodies with different epitope specificities by means of gold-labelled immunosorbent electron microscopy. Journal of Virological Methods, 1988, 22, 351-357.	2.1	9