Pinar Ãalik

List of Publications by Year in descending order

95 papers	2,451 citations	201674 27 h-index	233421 45 g-index
100 all docs	100 docs citations	100 times ranked	1992 citing authors

#	Article	IF	Citations
1	Hybrid-architectured promoter design to deregulate expression in yeast. Methods in Enzymology, 2021, 660, 105-125.	1.0	4
2	Hybrid-architectured promoter design to engineer expression in yeast. Methods in Enzymology, 2021, 660, 81-104.	1.0	6
3	Ethanol fed-batch bioreactor operation to enhance therapeutic protein production in Pichia pastoris under hybrid-architectured ADH2 promoter. Biochemical Engineering Journal, 2020, 164, 107782.	3.6	3
4	Hybrid-architectured double-promoter expression systems enhance and upregulate-deregulated gene expressions in Pichia pastoris in methanol-free media. Applied Microbiology and Biotechnology, 2020, 104, 8381-8397.	3.6	11
5	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
6	Transcriptional regulatory proteins in central carbon metabolism of Pichia pastoris and Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 2020, 104, 7273-7311.	3.6	18
7	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
8	Established and Upcoming Yeast Expression Systems. Methods in Molecular Biology, 2019, 1923, 1-74.	0.9	25
9	Isolation of Highâ€Quality RNA from Pichia pastoris. Current Protocols in Protein Science, 2019, 98, e101.	2.8	1
10	A single Gal4-like transcription factor activates the Crabtree effect in Komagataella phaffii. Nature Communications, 2018, 9, 4911.	12.8	36
11	Naturally occurring novel promoters around pyruvate branch-point for recombinant protein production in Pichia pastoris (Komagataella phaffii): Pyruvate decarboxylase- and pyruvate kinase-promoters. Biochemical Engineering Journal, 2018, 138, 111-120.	3.6	11
12	Hybrid fedâ€batch bioreactor operation design: control of substrate uptake enhances recombinant protein production in highâ€cellâ€density fermentations. Journal of Chemical Technology and Biotechnology, 2018, 93, 3326-3335.	3.2	9
13	Beet molassesâ€“based feeding strategy enhances recombinant thermostable glucose isomerase production by Escherichia coli BL21 (DE3). Biotechnology and Applied Biochemistry, 2017, 64, 944-954.	3.1	3
14	Double promoter expression systems for recombinant protein production by industrial microorganisms. Applied Microbiology and Biotechnology, 2017, 101, 7459-7475.	3.6	54
15	Analyses of extracellular protein production in Bacillus subtilis â€“ II: Responses of reaction network to oxygen transfer at transcriptional level. Biochemical Engineering Journal, 2017, 127, 242-261.	3.6	2
16	Analyses of extracellular protein production in Bacillus subtilis â€“ I: Genome-scale metabolic model reconstruction based on updated gene-enzyme-reaction data. Biochemical Engineering Journal, 2017, 127, 229-241.	3.6	23
17	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
18	Parametric continuous feed stream design to fine-tune fed-batch bioreactor performance: recombinant human growth hormone production inBacillus subtilis. Journal of Chemical Technology and Biotechnology, 2016, 91, 2740-2750.	3.2	7

#	Article	IF	Citations
19	Oxygen transfer as a tool for fine-tuning recombinant protein production by Pichia pastoris under glyceraldehyde-3-phosphate dehydrogenase promoter. Bioprocess and Biosystems Engineering, 2016, 39, 1061-1072.	3.4	13
20	Endogenous signal peptides in recombinant protein production by Pichia pastoris: From in-silico analysis to fermentation. Journal of Theoretical Biology, 2016, 408, 22-33.	1.7	26
21	Methanol feeding strategy design enhances recombinant human growth hormone production by Pichia pastoris. Journal of Chemical Technology and Biotechnology, 2016, 91, 664-671.	3.2	14
22	Fed-Batch Biomolecule Production by Bacillus subtilis : A State of the Art Review. Trends in Biotechnology, 2016, 34, 329-345.	9.3	77
23	Lignocellulose degrading extremozymes produced by Pichia pastoris: current status and future prospects. Bioprocess and Biosystems Engineering, 2016, 39, 1-36.	3.4	59
24	Recombinant protein production by sucroseâ€utilizing Escherichia coli W: untreated beet molassesâ€based feeding strategy development. Journal of Chemical Technology and Biotechnology, 2015, 90, 1070-1076.	3.2	7
25	Codon optimization of xylA gene for recombinant glucose isomerase production in Pichia pastoris and fed-batch feeding strategies to fine-tune bioreactor performance. Bioprocess and Biosystems Engineering, 2015, 38, 889-903.	3.4	25
26	Feeding strategy design for recombinant human growth hormone production by Bacillus subtilis. Bioprocess and Biosystems Engineering, 2015, 38, 1855-1865.	3.4	9
27	Recombinant protein production in Pichia pastoris under glyceraldehyde-3-phosphate dehydrogenase promoter: From carbon source metabolism to bioreactor operation parameters. Biochemical Engineering Journal, 2015, 95, 20-36.	3.6	85
28	In-silico determination of Pichia pastoris signal peptides for extracellular recombinant protein production. Journal of Theoretical Biology, 2015, 364, 179-188.	1.7	29
29	Coâ€substrate mannitol feeding strategy design in semiâ€batch production of recombinant human erythropoietin production by Pichia pastoris. Journal of Chemical Technology and Biotechnology, 2014, 89, 644-651.	3.2	9
30	Metabolic reaction network of Pichia pastoris with glycosylation reactions: Flux analysis for erythropoietin production. Journal of Chemical Technology and Biotechnology, 2014, 89, 1675-1685.	3.2	4
31	Effect of coâ€substrate sorbitol different feeding strategies on human growth hormone production by recombinant Pichia pastoris. Journal of Chemical Technology and Biotechnology, 2013, 88, 1631-1640.	3.2	20
32	Beet molasses based exponential feeding strategy for thermostable glucose isomerase production by recombinant Escherichia coli BL21 (DE3). Journal of Chemical Technology and Biotechnology, 2013, 88, 845-852.	3.2	9
33	Production of recombinant proteins by yeast cells. Biotechnology Advances, 2012, 30, 1108-1118.	11.7	272
34	Strategy development for therapeutic protein production by Pichia pastoris: human growth hormone. New Biotechnology, 2012, 29, S106-S107.	4.4	0
35	A rapid method for detection of genetically modified organisms based on magnetic separation and surface-enhanced Raman scattering. Analyst, The, 2012, 137, 202-208.	3.5	23
36	Dynamic flux balance analysis for pharmaceutical protein production by Pichia pastoris: Human growth hormone. Enzyme and Microbial Technology, 2011, 48, 209-216.	3.2	12

#	Article	IF	Citations
37	Enhanced recombinant human erythropoietin production by Pichia pastoris in methanol fed-batch/sorbitol batch fermentation through pH optimization. Biochemical Engineering Journal, 2011, 55, 59-65.	3.6	22
38	Metabolic flux analysis for recombinant protein production by Pichia pastoris using dual carbon sources: Effects of methanol feeding rate. Biotechnology and Bioengineering, 2010, 105, 317-329.	3.3	60
39	Fermentation and oxygen transfer characteristics in recombinant human growth hormone production by Pichia pastoris in sorbitol batch and methanol fedâ€batch operation. Journal of Chemical Technology and Biotechnology, 2010, 85, 226-233.	3.2	14
40	Influence of pH on recombinant human growth hormone production by Pichia pastoris. Journal of Chemical Technology and Biotechnology, 2010, 85, 1628-1635.	3.2	44
41	Effects of exponential feeding strategy on benzaldehyde lyase production by recombinant Escherichia coli. Journal of Biotechnology, 2010, 150, 86-86.	3.8	0
42	Bioreaction network flux analysis for human protein producing Bacillus subtilis based on genome-scale model. Chemical Engineering Science, 2010, 65, 574-580.	3.8	4
43	Human growth hormone-specific aptamer identification using improved oligonucleotide ligand evolution method. Protein Expression and Purification, 2010, 69, 21-28.	1.3	19
44	Expression system for recombinant human growth hormone production from Bacillus subtilis. Biotechnology Progress, 2009, 25, 75-84.	2.6	28
45	Effects of pulse feeding of beet molasses on recombinant benzaldehyde lyase production by Escherichia coli BL21(DE3). Applied Microbiology and Biotechnology, 2009, 85, 65-73.	3.6	9
46	Fedâ€batch methanol feeding strategy for recombinant protein production by Pichia pastoris in the presence of coâ€substrate sorbitol. Yeast, 2009, 26, 473-484.	1.7	102
47	Effects of pretreated beet molasses on benzaldehyde lyase production by recombinantEscherichia coliBL21(DE3)pLySs. Journal of Applied Microbiology, 2009, 107, 1536-1541.	3.1	14
48	A structured kinetic model for recombinant protein production by Mut+ strain of Pichia pastoris. Chemical Engineering Science, 2009, 64, 5028-5035.	3.8	20
49	Glucose isomerase production on a xylan-based medium by Bacillus thermoantarcticus. Biochemical Engineering Journal, 2009, 43, 8-15.	3.6	9
50	The influence of carbon sources on recombinant-human- growth-hormone production by Pichia pastoris is dependent on phenotype: a comparison of Muts and Mut+ strains. Biotechnology and Applied Biochemistry, 2009, 52, 245.	3.1	49
51	Regulatory effects of oxygen transfer on overexpression of recombinant benzaldehyde lyase production by Escherichia coli BL21 (DE3). Biotechnology Journal, 2009, 4, 1066-1076.	3.5	8
52	Development of enhanced ultrafiltration methodologies for the resolution of racemic benzoin. Journal of Membrane Science, 2008, 322, 446-452.	8.2	6
53	Bioprocess Parameters and Oxygen Transfer Characteristics in Î²-Lactamase Production by Bacillus Species. Biotechnology Progress, 2008, 20, 491-499.	2.6	27
54	Expression System for Synthesis and Purification of Recombinant Human Growth Hormone in Pichia pastoris and Structural Analysis by MALDI-ToF Mass Spectrometry. Biotechnology Progress, 2008, 24, 221-226.	2.6	25

#	ARTICLE	IF	CITATIONS
55	Use of Biodiesel Byproduct Crude Glycerol as the Carbon Source for Fermentation Processes by Recombinant Pichia pastoris. Industrial & Engineering Chemistry Research, 2008, 47, 2985-2990.	3.7	64
56	pH influences intracellular reaction network of Î²-lactamase producing Bacillus licheniformis. Chemical Engineering Science, 2007, 62, 5206-5211.	3.8	7
57	Phosphate enrichment and fed-batch operation for prolonged ?-lactamase production by Bacillus licheniformis. Journal of Applied Microbiology, 2007, 102, 1418-1426.	3.1	8
58	Production of recombinant human erythropoietin from Pichia pastoris and its structural analysis. Journal of Applied Microbiology, 2007, 103, 2084-2094.	3.1	34
59	Chiral separation of racemic benzoin via enzyme enhanced ultrafiltration. Desalination, 2006, 200, 464-465.	8.2	1
60	Influence of controlled-pH and uncontrolled-pH operations on recombinant benzaldehyde lyase production by Escherichia coli. Enzyme and Microbial Technology, 2006, 38, 617-627.	3.2	30
61	Fermentation characteristics of l-tryptophan production by thermoacidophilic Bacillus acidocaldarius in a defined medium. Enzyme and Microbial Technology, 2006, 39, 1077-1088.	3.2	23
62	Effects of pH Strategy on endo- and exo-Metabolome Profiles and Sodium Potassium Hydrogen Ports of Î²-Lactamase-Producing Bacillus licheniformis. Biotechnology Progress, 2006, 22, 411-419.	2.6	27
63	Effects of Spray Drying Temperature and Additives on the Stability of Serine Alkaline Protease Powders. Drying Technology, 2006, 24, 1495-1500.	3.1	41
64	Oxygen transfer effects in Î²-lactamase fermentation byBacillus licheniformis in a glucose-based defined medium. Journal of Chemical Technology and Biotechnology, 2005, 80, 1062-1071.	3.2	4
65	Novel Antifoam for Fermentation Processes:Â Fluorocarbonâ^'Hydrocarbon Hybrid Unsymmetrical Bolaform Surfactant. Langmuir, 2005, 21, 8613-8619.	3.5	22
66	Metabolic engineering of aromatic group amino acid pathway in Bacillus subtilis for L-phenylalanine production. Chemical Engineering Science, 2004, 59, 5019-5026.	3.8	10
67	Inorganic compounds have dual effect on recombinant protein production: influence of anions and cations on serine alkaline protease production. Journal of Applied Microbiology, 2004, 96, 194-200.	3.1	8
68	Fermentation and oxygen transfer characteristics in serine alkaline protease production by recombinantBacillus subtilisin molasses-based complex medium. Journal of Chemical Technology and Biotechnology, 2004, 79, 1243-1250.	3.2	2
69	Oxygen transfer effects on recombinant benzaldehyde lyase production. Chemical Engineering Science, 2004, 59, 5075-5083.	3.8	74
70	Regulatory effects of alanine-group amino acids on serine alkaline protease production by recombinant Bacillus licheniformis. Biotechnology and Applied Biochemistry, 2003, 37, 165.	3.1	5
71	Protein-based complex medium design for recombinant serine alkaline protease production. Enzyme and Microbial Technology, 2003, 33, 975-986.	3.2	11
72	Overexpression of a serine alkaline protease gene in Bacillus licheniformis and its impact on the metabolic reaction network. Enzyme and Microbial Technology, 2003, 32, 706-720.	3.2	15

#	ARTICLE	IF	CITATIONS
73	Overexpression of serine alkaline protease encoding gene in Bacillus species: performance analyses. Enzyme and Microbial Technology, 2003, 33, 967-974.	3.2	8
74	Bioreactor operation parameters as tools for metabolic regulations in fermentation processes: influence of pH conditions. Chemical Engineering Science, 2003, 58, 759-766.	3.8	31
75	Utilization of pretreated molasses for serine alkaline protease production with recombinant bacillus species. Chemical Engineering Communications, 2003, 190, 630-644.	2.6	14
76	BIOREACTION NETWORK FLUX ANALYSIS FOR INDUSTRIAL MICROORGANISMS: A REVIEW. Reviews in Chemical Engineering, 2002, 18, .	4.4	15
77	Metabolic flux analysis for human therapeutic protein productions and hypothesis for new therapeutical strategies in medicine. Biochemical Engineering Journal, 2002, 11, 49-68.	3.6	10
78	Enzyme-ion exchanger interactions in serine alkaline protease separation: theory, equilibria and kinetics. Biochemical Engineering Journal, 2002, 12, 193-204.	3.6	6
79	Influence of pH conditions on metabolic regulations in serine alkaline protease production by Bacillus licheniformis. Enzyme and Microbial Technology, 2002, 31, 685-697.	3.2	44
80	Carbon sources affect metabolic capacities of Bacillus species for the production of industrial enzymes: theoretical analyses for serine and neutral proteases and Î±-amylase. Biochemical Engineering Journal, 2001, 8, 61-81.	3.6	44
81	BIOPROCESS DEVELOPMENT FOR SERINE ALKALINE PROTEASE PRODUCTION: A REVIEW. Reviews in Chemical Engineering, 2001, 17, 1-62.	4.4	70
82	Pretreatment Processes of Molasses for the Utilization in Fermentation Processes. , 2001, , 21-28.		7
83	Protease Secretion Capacity and Performance Analysis of Recombinant Bacillus Species. , 2001, , 383-392.		0
84	Metabolic Network Analysis for Human Therapeutic Protein Productions: Effects of the P/O Ratio. , 2001, , 277-288.		0
85	Crossflow Ultrafiltration of Bacillus Licheniformis Fermentation Medium to Separate Protease Enzymes. , 2001, , 171-179.		0
86	Oxygen-transfer strategy and its regulation effects in serine alkaline protease production byBacillus licheniformis. Biotechnology and Bioengineering, 2000, 69, 301-311.	3.3	70
87	Separation of the protease enzymes ofBacillus licheniformis from the fermentation medium by crossflow ultrafiltration. Journal of Chemical Technology and Biotechnology, 2000, 75, 491-499.	3.2	23
88	Metabolic flux analyses for serine alkaline protease production. Enzyme and Microbial Technology, 2000, 27, 793-805.	3.2	14
89	Serine alkaline protease overproduction capacity of Bacillus licheniformis. Enzyme and Microbial Technology, 2000, 26, 45-60.	3.2	18
90	Mass flux balance-based model and metabolic flux analysis for collagen synthesis in the fibrogenesis process of human liver. Medical Hypotheses, 2000, 55, 5-14.	1.5	14

#	Article	IF	Citations
91	Growth and Îº-carrageenan immobilization of Pseudomonas dacunhae cells for l-alanine production. Enzyme and Microbial Technology, 1999, 24, 67-74.	3.2	15
92	Mass flux balance-based model and metabolic pathway engineering analysis for serine alkaline protease synthesis by Bacillus licheniformis. Enzyme and Microbial Technology, 1999, 24, 621-635.	3.2	37
93	Metabolic flux analysis for serine alkaline protease fermentation byBacillus licheniformis in a defined medium: Effects of the oxygen transfer rate. , 1999, 64, 151-167.		61
94	Metabolic flux analysis for serine alkaline protease fermentation by Bacillus licheniformis in a defined medium: Effects of the oxygen transfer rate. Biotechnology and Bioengineering, 1999, 64, 151-167.	3.3	1
95	Oxygen transfer effects in serine alkaline protease fermentation by Bacillus licheniformis: use of citric acid as the carbon source. Enzyme and Microbial Technology, 1998, 23, 451-461.	3.2	92