

# Eda ÆelÄ°k

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,124  
citations

430754

18  
h-index

526166

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of recombinant proteins by yeast cells. <i>Biotechnology Advances</i> , 2012, 30, 1108-1118.	6.0	272
2	Production of Secretory and Extracellular N-Linked Glycoproteins in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 871-881.	1.4	112
3	Fed-batch methanol feeding strategy for recombinant protein production by <i>Pichia pastoris</i> in the presence of co-substrate sorbitol. <i>Yeast</i> , 2009, 26, 473-484.	0.8	102
4	Use of Biodiesel Byproduct Crude Glycerol as the Carbon Source for Fermentation Processes by Recombinant <i>Pichia pastoris</i> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 2985-2990.	1.8	64
5	Metabolic flux analysis for recombinant protein production by <i>Pichia pastoris</i> using dual carbon sources: Effects of methanol feeding rate. <i>Biotechnology and Bioengineering</i> , 2010, 105, 317-329.	1.7	60
6	Expanding the glycoengineering toolbox: the rise of bacterial N-linked protein glycosylation. <i>Trends in Biotechnology</i> , 2013, 31, 313-323.	4.9	59
7	Highly selective magnetic affinity purification of histidine-tagged proteins by Ni <sup>2+</sup> carrying monodisperse composite microspheres. <i>RSC Advances</i> , 2017, 7, 8718-8726.	1.7	57
8	Production of recombinant human erythropoietin from <i>Pichia pastoris</i> and its structural analysis. <i>Journal of Applied Microbiology</i> , 2007, 103, 2084-2094.	1.4	34
9	A filamentous phage display system for N-linked glycoproteins. <i>Protein Science</i> , 2010, 19, 2006-2013.	3.1	32
10	Protein A and protein A/G coupled magnetic SiO <sub>2</sub> microspheres for affinity purification of immunoglobulin G. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 178-185.	3.6	30
11	Expression system for recombinant human growth hormone production from <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 2009, 25, 75-84.	1.3	28
12	Bioprocess Parameters and Oxygen Transfer Characteristics in Î <sup>2</sup> -Lactamase Production by <i>Bacillus</i> Species. <i>Biotechnology Progress</i> , 2008, 20, 491-499.	1.3	27
13	Purification and characterization of polyhydroxyalkanoate (PHA) from a <i>Bacillus megaterium</i> strain using various dehydration techniques. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2292-2298.	1.6	27
14	Ni(II)-decorated porous titania microspheres as a stationary phase for column chromatography applications: Highly selective purification of hemoglobin from human blood. <i>Talanta</i> , 2019, 200, 100-106.	2.9	27
15	Expression System for Synthesis and Purification of Recombinant Human Growth Hormone in <i>Pichia pastoris</i> and Structural Analysis by MALDI-ToF Mass Spectrometry. <i>Biotechnology Progress</i> , 2008, 24, 221-226.	1.3	25
16	Established and Upcoming Yeast Expression Systems. <i>Methods in Molecular Biology</i> , 2019, 1923, 1-74.	0.4	25
17	Isolation of RNA and beta-NAD by phenylboronic acid functionalized, monodisperse-porous silica microspheres as sorbent in batch and microfluidic boronate affinity systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 333-342.	2.5	24
18	A structured kinetic model for recombinant protein production by Mut <sup>+</sup> strain of <i>Pichia pastoris</i> . <i>Chemical Engineering Science</i> , 2009, 64, 5028-5035.	1.9	20

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19	Silica microspheres functionalized with the iminodiacetic acid/copper(II) complex as a peroxidase mimic for use in metal affinity chromatography-based colorimetric determination of histidine-tagged proteins. <i>Mikrochimica Acta</i> , 2020, 187, 121.	2.5	19
20	Glycoarrays with engineered phages displaying structurally diverse oligosaccharides enable high-throughput detection of glycan-protein interactions. <i>Biotechnology Journal</i> , 2015, 10, 199-209.	1.8	17
21	Microfluidic immobilized metal affinity chromatography based on Ti(IV)-decorated silica microspheres for purification of phosphoproteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1140, 122010.	1.2	12
22	Protein-based complex medium design for recombinant serine alkaline protease production. <i>Enzyme and Microbial Technology</i> , 2003, 33, 975-986.	1.6	11
23	Enhanced production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biopolymer by recombinant <i>Bacillus megaterium</i> in fed-batch bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 403-416.	1.7	11
24	Effects of variable domain orientation on anti-HER2 single-chain variable fragment antibody expressed in the <i>Escherichia coli</i> cytoplasm. <i>Biotechnology Progress</i> , 2021, 37, e3102.	1.3	9
25	Periplasmic and extracellular production of cellulase from recombinant <i>Escherichia coli</i> cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 319-324.	1.6	8
26	Tailoring the Microbial Community for Improving the Biodegradation of Chitosan Films in Composting Environment. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1548-1559.	2.4	8
27	In vitro selection of DNA aptamers against human osteosarcoma. <i>Investigational New Drugs</i> , 2022, 40, 172-181.	1.2	4
28	The GlycoPhage display system and its applications. <i>New Biotechnology</i> , 2012, 29, S162.	2.4	0