

Irfan Turhan

List of Publications by Year in descending order

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84
papers

1,688
citations

236612

25
h-index

344852

36
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all docs

90
docs citations

90
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the inhibitory effects of furfural and hydroxymethylfurfural on the production of <i>Aspergillus niger</i> inulinase and modeling of the process. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4291-4303.	2.9	3
2	Modeling of ethanol fermentation from carob extract-based medium by using <i>Saccharomyces cerevisiae</i> in the immobilized-cell stirred tank bioreactor. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5241-5255.	2.9	9
3	Thermostability of <i>Aspergillus niger</i> inulinase from sugar beet molasses in the submerged fermentation and determination of its kinetic and thermodynamic parameters. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3219-3227.	2.9	10
4	Fermentable sugars production from wheat bran and rye bran: response surface model optimization of dilute sulfuric acid hydrolysis. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 3779-3800.	1.2	7
5	Effect of process parameters and microparticle addition on polygalacturonase activity and fungal morphology of <i>Aspergillus sojae</i> . <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5329-5344.	2.9	5
6	Evaluation of the inhibitory effect of 5-hydroxymethylfurfural (HMF) on ethanol fermentation by using immobilized <i>Saccharomyces cerevisiae</i> in stirred-tank bioreactor and mathematical modeling. <i>Fuel</i> , 2022, 317, 123499.	3.4	3
7	Kinetic modeling, sensitivity analysis, and techno-economic feasibility of ethanol fermentation from non-sterile carob extract-based media in <i>Saccharomyces cerevisiae</i> biofilm reactor under a repeated-batch fermentation process. <i>Fuel</i> , 2022, 324, 124729.	3.4	7
8	Repeated-batch fermentation of <i>Scheffersomyces stipitis</i> in biofilm reactor for ethanol production from the detoxified and glucose- or xylose-enriched rice husk hydrolysate and its kinetic modeling. <i>Fuel</i> , 2022, 326, 125053.	3.4	2
9	The inhibition effect of phenol on the production of <i>Aspergillus niger</i> inulinase and its modeling. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14522.	0.9	13
10	<i>Scheffersomyces stipitis</i> biofilm reactor for ethanol production from acid-pretreated/detoxified and glucose- or xylose-enriched rice husk hydrolysate under a continuous process. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2909-2921.	2.9	7
11	Implementation of flexible models to bioethanol production from carob extract-based media in a biofilm reactor. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2983-2999.	2.9	5
12	Solid-state fermentation for the production of a recombinant β -mannanase from <i>Aspergillus fumigatus</i> expressed in <i>Aspergillus sojae</i> grown on renewable resources. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14584.	0.9	10
13	Applicability of recombinant <i>Aspergillus sojae</i> crude mannanase enzyme in carrot juice production. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14603.	0.9	2
14	Effect of furfural concentration on ethanol production using <i>Saccharomyces cerevisiae</i> in an immobilized cells stirred-tank bioreactor with glucose-based medium and mathematical modeling. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14635.	0.9	13
15	Mannooligosaccharide production by β -mannanase enzyme application from coffee extract. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14668.	0.9	8
16	The effects of mannanase activity on viscosity in different gums. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14820.	0.9	4
17	Scale-up processing with different microparticle agent for β -mannanase production in a large-scale stirred tank bioreactor. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14915.	0.9	8
18	Optimization of mannanooligosaccharides production from different hydrocolloids via response surface methodology using a recombinant <i>Aspergillus sojae</i> β -mannanase produced in the microparticle-enhanced large-scale stirred tank bioreactor. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e14916.	0.9	7

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19	Ethanol production from different medium compositions of rice husk hydrolysate by using <i>Scheffersomyces stipitis</i> in a repeated-batch biofilm reactor and its modeling. <i>Process Biochemistry</i> , 2021, 100, 26-38.	1.8	12
20	Kinetic modeling and sensitivity analysis of inulinase production in large-scale stirred tank bioreactor with sugar beet molasses-based medium. <i>Biochemical Engineering Journal</i> , 2021, 176, 108201.	1.8	8
21	Predictive modeling and sensitivity analysis to estimate the experimental data of inulinase fermentation by <i>Aspergillus niger</i> grown on sugar beet molasses-based medium optimized using Plackett-Burman Design. <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	1.4	1
22	Application of mathematical models to ethanol fermentation in biofilm reactor with carob extract. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 237-252.	2.9	20
23	Medium optimization and kinetic modeling for the production of <i>Aspergillus niger</i> inulinase. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 217-232.	1.7	41
24	Partial purification and characterization of a recombinant β -mannanase from <i>Aspergillus fumigatus</i> expressed in <i>Aspergillus sojae</i> grown on carob extract. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1189-1205.	2.9	17
25	Inulinase production and mathematical modeling from carob extract by using <i>Aspergillus niger</i> . <i>Biotechnology Progress</i> , 2020, 36, e2919.	1.3	32
26	Production and characterization of tempehs from different sources of legume by <i>Rhizopus oligosporus</i> . <i>LWT - Food Science and Technology</i> , 2020, 119, 108880.	2.5	25
27	Statistical and kinetic modeling of <i>Aspergillus niger</i> inulinase fermentation from carob extract and its partial concentration. <i>Industrial Crops and Products</i> , 2020, 156, 112866.	2.5	12
28	Partial purification and characterization of <i>Aspergillus niger</i> inulinase produced from sugar-beet molasses in the shaking incubator and stirred-tank bioreactors. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3789-3799.	3.6	8
29	Enhanced production of <i>Aspergillus niger</i> inulinase from sugar beet molasses and its kinetic modeling. <i>Biotechnology Letters</i> , 2020, 42, 1939-1955.	1.1	16
30	Chemical characterization of acid-pretreated renewable resources: effect of pretreatment time. <i>Biofuels</i> , 2020, , 1-11.	1.4	4
31	Biofilm reactors for value-added products production: An in-depth review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101662.	1.5	36
32	Mathematical modeling of batch bioethanol generation from carob extract in the suspended-cell stirred-tank bioreactor. <i>International Journal of Energy Research</i> , 2020, 44, 9021-9034.	2.2	9
33	Enhancing β -mannanase production by controlling fungal morphology in the bioreactor with microparticle addition. <i>Food and Bioprocess Processing</i> , 2020, 121, 123-130.	1.8	19
34	Evaluation of carbon sources for the production of inulinase by <i>Aspergillus niger</i> A42 and its characterization. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1993-2005.	1.7	35
35	Bioconversion of wheat bran into high value-added products and modelling of fermentations. <i>Industrial Crops and Products</i> , 2019, 139, 111565.	2.5	42
36	Liquid State Bioreactor. <i>Learning Materials in Biosciences</i> , 2019, , 135-168.	0.2	3

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37	β-Mannanase production and kinetic modeling from carob extract by using recombinant <i>Aspergillus sojae</i> . <i>Biotechnology Progress</i> , 2019, 35, e2885.	1.3	21
38	Kinetic Modeling and Techno-economic Feasibility of Ethanol Production From Carob Extract Based Medium in Biofilm Reactor. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2121.	1.3	24
39	A current approach to the control of filamentous fungal growth in media: microparticle enhanced cultivation technique. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 192-201.	5.1	39
40	Ethanol production from acid-pretreated and detoxified rice straw as sole renewable resource. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 607-619.	2.9	27
41	Dilute acid and alkaline pretreatment of spent tea leaves to determine the potential of carbon sources. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 529-544.	2.9	13
42	Mathematical modeling of lactic acid fermentation in bioreactor with carob extract. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 254-263.	1.5	23
43	Optimization of dilute acid pretreatment of barley husk and oat husk and determination of their chemical composition. <i>Cellulose</i> , 2018, 25, 6377-6393.	2.4	23
44	Ethanol production from acid-pretreated and detoxified tea processing waste and its modeling. <i>Fuel</i> , 2018, 231, 101-109.	3.4	42
45	Carob as a carbon source for fermentation technology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 16, 200-208.	1.5	18
46	Ethanol production in a biofilm reactor with non-sterile carob extract media and its modeling. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2726-2734.	1.2	15
47	Effect of different fermentation strategies on β-mannanase production in fed-batch bioreactor system. <i>3 Biotech</i> , 2017, 7, 77.	1.1	36
48	Microparticle-enhanced polygalacturonase production by wild type <i>Aspergillus sojae</i> . <i>3 Biotech</i> , 2017, 7, 361.	1.1	29
49	Microwave-assisted dilute acid pretreatment of different agricultural bioresources for fermentable sugar production. <i>Cellulose</i> , 2017, 24, 4337-4353.	2.4	26
50	Optimization of ultrasound-assisted dilute acid hydrolysis conditions of tea processing waste. , 2016, , .		0
51	Ethanol production from carob extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. , 2016, , .		0
52	Ethanol production from rice hull using <i>Pichia stipitis</i> and optimization of acid pretreatment and detoxification processes. <i>Biotechnology Progress</i> , 2016, 32, 872-882.	1.3	28
53	Optimization of acidic hydrolysis conditions of rice husk for fermentable sugar production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 3103-3108.	1.2	7
54	Effect of media sterilization and enrichment on ethanol production from carob extract in a biofilm reactor. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 3268-3272.	1.2	19

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55	Ultrasound-assisted dilute acid hydrolysis of tea processing waste for production of fermentable sugar. <i>Biotechnology Progress</i> , 2016, 32, 393-403.	1.3	28
56	Controlling filamentous fungi morphology with microparticles to enhanced β -mannanase production. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1391-1399.	1.7	53
57	Enhanced β -mannanase production from alternative sources by recombinant <i>Aspergillus sojae</i> . <i>Acta Alimentaria</i> , 2016, 45, 371-379.	0.3	22
58	Microparticle-enhanced <i>Aspergillus ficuum</i> phytase production and evaluation of fungal morphology in submerged fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1075-1080.	1.7	50
59	Enhanced <i>Aspergillus ficuum</i> phytase production in fed-batch and continuous fermentations in the presence of talcum microparticles. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1431-1436.	1.7	23
60	Ethanol production via repeated-batch fermentation from carob pod extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. <i>Fuel</i> , 2015, 161, 304-311.	3.4	55
61	Relationship Between Sugar Profile and D-Pinitol Content of Pods of Wild and Cultivated Types of Carob Bean (<i>Ceratonia siliqua</i> L.). <i>International Journal of Food Properties</i> , 2014, 17, 363-370.	1.3	29
62	Mineral composition of pods and seeds of wild and grafted carob (<i>Ceratonia siliqua</i> L.) fruits. <i>Scientia Horticulturae</i> , 2014, 167, 149-152.	1.7	33
63	Utilization of alcohol dehydrogenase (ADH3) promoter for recombinant protein expression in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2014, 185, S57.	1.9	0
64	Effect of Ultrafiltration and Concentration Processes on the Physical and Chemical Composition of Blood Orange Juice. <i>Journal of Food Processing and Preservation</i> , 2014, 38, 1321-1329.	0.9	25
65	EFFECTS OF PROCESSING METHOD AND STORAGE TEMPERATURE ON CLEAR POMEGRANATE JUICE TURBIDITY AND COLOR. <i>Journal of Food Processing and Preservation</i> , 2013, 37, 899-906.	0.9	15
66	A Large-Scale Study on Storage Stability of Cloudy Apple Juice Treated by N_2 and Ascorbic Acid. <i>Journal of Food Quality</i> , 2013, 36, 121-126.	1.4	7
67	Oil production by <i>Mortierella isabellina</i> from whey treated with lactase. <i>Bioresource Technology</i> , 2013, 128, 365-369.	4.8	35
68	Optimization of ethanol production from carob pod extract using immobilized <i>Saccharomyces cerevisiae</i> cells in a stirred tank bioreactor. <i>Bioresource Technology</i> , 2013, 135, 365-371.	4.8	59
69	Determination of the optimum growth conditions for <i>Aspergillus sojae</i> pyrG ⁺ transformed using response surface method. <i>Journal of Biotechnology</i> , 2012, 161, 39-40.	1.9	0
70	The effect of microbial growth on total phenolic compounds during fermentation. <i>Journal of Biotechnology</i> , 2012, 161, 40.	1.9	0
71	Decolourization of carob pod extract by using <i>Aspergillus sojae</i> pyrG-transformed. <i>Journal of Biotechnology</i> , 2012, 161, 40.	1.9	0
72	Determination of d-pinitol in carob syrup. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 572-576.	1.3	39

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73	Optimization of Extraction of D-pinitol and Phenolics from Cultivated and Wild Types of Carob Pods Using Response Surface Methodology. International Journal of Food Engineering, 2011, 7, .	0.7	8
74	Physical and chemical characterization of Ceratonia siliqua L. germplasm in Turkey. Scientia Horticulturae, 2011, 129, 583-589.	1.7	19
75	Ethanol production from carob extract by using Saccharomyces cerevisiae. Bioresource Technology, 2010, 101, 5290-5296.	4.8	118
76	Enhanced Lactic Acid Production from Carob Extract by <i>Lactobacillus casei</i> Using Invertase Pretreatment. Food Biotechnology, 2010, 24, 364-374.	0.6	36
77	Enhanced ethanol production from carob extract by Saccharomyces cerevisiae. , 2009, , .		0
78	Enhanced Lactic acid production from carob extract by Lactobacillus casei. , 2009, , .		0
79	Quality of honeys influenced by thermal treatment. LWT - Food Science and Technology, 2008, 41, 1396-1399.	2.5	95
80	LIQUID-SOLID EXTRACTION OF SOLUBLE SOLIDS AND TOTAL PHENOLIC COMPOUNDS OF CAROB BEAN (Ceratonia siliqua L.). Journal of Food Process Engineering, 2006, 29, 498-507.	1.5	32
81	KINETIC MODELING OF ANAEROBIC THERMAL DEGRADATION OF ASCORBIC ACID IN ROSE HIP (ROSA CANINA) Tj ETQq1 1 0,784314 1.4 30		
82	Effect of pH control and aeration on inulinase production from sugarbeet molasses in a bench-scale bioreactor. Biomass Conversion and Biorefinery, 0, , 1.	2.9	7
83	Predicting the experimental data of the substrate specificity of Aspergillus niger inulinase using mathematical models, estimating kinetic constants in the Michaelis-Menten equation, and sensitivity analysis. Biomass Conversion and Biorefinery, 0, , 1.	2.9	8
84	Application of Aspergillus niger inulinase production in sugar beet molasses-based medium optimized by Central Composite Design to mathematical models. Biomass Conversion and Biorefinery, 0, , 1.	2.9	3