

Irfan Turhan

List of Publications by Year in descending order

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papers

1,688
citations

236925
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h-index

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all docs

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docs citations

90
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethanol production from carob extract by using <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2010, 101, 5290-5296.	9.6	118
2	Quality of honeys influenced by thermal treatment. <i>LWT - Food Science and Technology</i> , 2008, 41, 1396-1399.	5.2	95
3	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.	9.6	59
4	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.	6.4	55
5	Controlling filamentous fungi morphology with microparticles to enhanced β -mannanase production. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1391-1399.	3.4	53
6	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.	3.4	50
7	Ethanol production from acid-pretreated and detoxified tea processing waste and its modeling. <i>Fuel</i> , 2018, 231, 101-109.	6.4	42
8	Bioconversion of wheat bran into high value-added products and modelling of fermentations. <i>Industrial Crops and Products</i> , 2019, 139, 111565.	5.2	42
9	Medium optimization and kinetic modeling for the production of <i>Aspergillus niger</i> inulinase. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 217-232.	3.4	41
10	Determination of α -pinitol in carob syrup. <i>International Journal of Food Sciences and Nutrition</i> , 2011, 62, 572-576.	2.8	39
11	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.	9.0	39
12	Enhanced Lactic Acid Production from Carob Extract by <i>Lactobacillus casei</i> Using Invertase Pretreatment. <i>Food Biotechnology</i> , 2010, 24, 364-374.	1.5	36
13	Effect of different fermentation strategies on β -mannanase production in fed-batch bioreactor system. <i>3 Biotech</i> , 2017, 7, 77.	2.2	36
14	Biofilm reactors for value-added products production: An in-depth review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 27, 101662.	3.1	36
15	Oil production by <i>Mortierella isabellina</i> from whey treated with lactase. <i>Bioresource Technology</i> , 2013, 128, 365-369.	9.6	35
16	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.	3.4	35
17	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.	3.6	33
18	LIQUID?SOLID EXTRACTION OF SOLUBLE SOLIDS AND TOTAL PHENOLIC COMPOUNDS OF CAROB BEAN (<i>Ceratonia siliqua</i> L.). <i>Journal of Food Process Engineering</i> , 2006, 29, 498-507.	2.9	32

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19	Inulinase production and mathematical modeling from carob extract by using <i>Aspergillus niger</i> . <i>Biotechnology Progress</i> , 2020, 36, e2919.	2.6	32
20	KINETIC MODELING OF ANAEROBIC THERMAL DEGRADATION OF ASCORBIC ACID IN ROSE HIP (<i>ROSA CANINA</i>) Tj	2.6	36
21	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.	3.0	29
22	Microparticle-enhanced polygalacturonase production by wild type <i>Aspergillus sojae</i> . <i>3 Biotech</i> , 2017, 7, 361.	2.2	29
23	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.	2.6	28
24	Ultrasound-assisted dilute acid hydrolysis of tea processing waste for production of fermentable sugar. <i>Biotechnology Progress</i> , 2016, 32, 393-403.	2.6	28
25	Ethanol production from acid-pretreated and detoxified rice straw as sole renewable resource. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 607-619.	4.6	27
26	Microwave-assisted dilute acid pretreatment of different agricultural bioresources for fermentable sugar production. <i>Cellulose</i> , 2017, 24, 4337-4353.	4.9	26
27	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.	2.0	25
28	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.	5.2	25
29	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.	2.5	24
30	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.	3.4	23
31	Mathematical modeling of lactic acid fermentation in bioreactor with carob extract. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 14, 254-263.	3.1	23
32	Optimization of dilute acid pretreatment of barley husk and oat husk and determination of their chemical composition. <i>Cellulose</i> , 2018, 25, 6377-6393.	4.9	23
33	Enhanced Î²-mannanase production from alternative sources by recombinant <i>Aspergillus sojae</i> . <i>Acta Alimentaria</i> , 2016, 45, 371-379.	0.7	22
34	Î²-mannanase production and kinetic modeling from carob extract by using recombinant <i>Aspergillus sojae</i> . <i>Biotechnology Progress</i> , 2019, 35, e2885.	2.6	21
35	Application of mathematical models to ethanol fermentation in biofilm reactor with carob extract. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 237-252.	4.6	20
36	Physical and chemical characterization of <i>Ceratonia siliqua</i> L. germplasm in Turkey. <i>Scientia Horticulturae</i> , 2011, 129, 583-589.	3.6	19

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37	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.	2.3	19
38	Enhancing β -mannanase production by controlling fungal morphology in the bioreactor with microparticle addition. <i>Food and Bioproducts Processing</i> , 2020, 121, 123-130.	3.6	19
39	Carob as a carbon source for fermentation technology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 16, 200-208.	3.1	18
40	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.	4.6	17
41	Enhanced production of <i>Aspergillus niger</i> inulinase from sugar beet molasses and its kinetic modeling. <i>Biotechnology Letters</i> , 2020, 42, 1939-1955.	2.2	16
42	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.	2.0	15
43	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.	2.3	15
44	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.	4.6	13
45	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.	2.0	13
46	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.	2.0	13
47	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.	5.2	12
48	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.	3.7	12
49	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.	4.6	10
50	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.	2.0	10
51	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.	4.6	9
52	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.	4.5	9
53	Optimization of Extraction of D-pinitol and Phenolics from Cultivated and Wild Types of Carob Pods Using Response Surface Methodology. <i>International Journal of Food Engineering</i> , 2011, 7, .	1.5	8
54	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.	7.5	8

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55	Mannooligosaccharide production by α -mannanase enzyme application from coffee extract. Journal of Food Processing and Preservation, 2021, 45, e14668.	2.0	8
56	Scale-up processing with different microparticle agent for α -mannanase production in a large-scale stirred tank bioreactor. Journal of Food Processing and Preservation, 2021, 45, e14915.	2.0	8
57	Predicting the experimental data of the substrate specificity of <i>Aspergillus niger</i> inulinase using mathematical models, estimating kinetic constants in the Michaelis-Menten equation, and sensitivity analysis. Biomass Conversion and Biorefinery, 0, , 1.	4.6	8
58	Kinetic modeling and sensitivity analysis of inulinase production in large-scale stirred tank bioreactor with sugar beet molasses-based medium. Biochemical Engineering Journal, 2021, 176, 108201.	3.6	8
59	A Large-Scale Study on Storage Stability of Cloudy Apple Juice Treated by N_2 and Ascorbic Acid. Journal of Food Quality, 2013, 36, 121-126.	2.6	7
60	Optimization of acidic hydrolysis conditions of rice husk for fermentable sugar production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3103-3108.	2.3	7
61	<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. Biomass Conversion and Biorefinery, 2021, 11, 2909-2921.	4.6	7
62	Optimization of mannoooligosaccharides production from different hydrocolloids via response surface methodology using a recombinant <i>Aspergillus sojae</i> α -mannanase produced in the microparticle-enhanced large-scale stirred tank bioreactor. Journal of Food Processing and Preservation, 2021, 45, e14916.	2.0	7
63	Effect of pH control and aeration on inulinase production from sugarbeet molasses in a bench-scale bioreactor. Biomass Conversion and Biorefinery, 0, , 1.	4.6	7
64	Fermentable sugars production from wheat bran and rye bran: response surface model optimization of dilute sulfuric acid hydrolysis. Environmental Technology (United Kingdom), 2022, 43, 3779-3800.	2.2	7
65	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. Fuel, 2022, 324, 124729.	6.4	7
66	Implementation of flexible models to bioethanol production from carob extract-based media in a biofilm reactor. Biomass Conversion and Biorefinery, 2021, 11, 2983-2999.	4.6	5
67	Effect of process parameters and microparticle addition on polygalacturonase activity and fungal morphology of <i>Aspergillus sojae</i> . Biomass Conversion and Biorefinery, 2022, 12, 5329-5344.	4.6	5
68	Chemical characterization of acid-pretreated renewable resources: effect of pretreatment time. Biofuels, 2020, , 1-11.	2.4	4
69	The effects of mannanase activity on viscosity in different gums. Journal of Food Processing and Preservation, 2021, 45, e14820.	2.0	4
70	Liquid State Bioreactor. Learning Materials in Biosciences, 2019, , 135-168.	0.4	3
71	Application of <i>Aspergillus niger</i> inulinase production in sugar beet molasses-based medium optimized by Central Composite Design to mathematical models. Biomass Conversion and Biorefinery, 0, , 1.	4.6	3
72	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. Fuel, 2022, 317, 123499.	6.4	3

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73	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.	4.6	3
74	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.	2.0	2
75	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.	6.4	2
76	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, , .	3.1	1
77	Enhanced ethanol production from carob extract by <i>Saccharomyces cerevisiae</i> . , 2009, , .		0
78	Enhanced Lactic acid production from carob extract by <i>Lactobacillus casei</i> . , 2009, , .		0
79	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.	3.8	0
80	The effect of microbial growth on total phenolic compounds during fermentation. <i>Journal of Biotechnology</i> , 2012, 161, 40.	3.8	0
81	Decolourization of carob pod extract by using <i>Aspergillus sojae</i> pyrG-transformed. <i>Journal of Biotechnology</i> , 2012, 161, 40.	3.8	0
82	Utilization of alcohol dehydrogenase (ADH3) promoter for recombinant protein expression in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2014, 185, S57.	3.8	0
83	Optimization of ultrasound-assisted dilute acid hydrolysis conditions of tea processing waste. , 2016, , .		0
84	Ethanol production from carob extract by using <i>Saccharomyces cerevisiae</i> in biofilm reactor. , 2016, , .		0