

# Hasan K Atiyeh

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

3,203  
citations

147801

31  
h-index

149698

56  
g-index

62  
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62  
docs citations

62  
times ranked

2758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viable strategies for enhancing acetone-butanol-ethanol production from non-detoxified switchgrass hydrolysates. <i>Bioresource Technology</i> , 2022, 344, 126167.	9.6	10
2	Biochar amended microbial conversion of C1 gases to ethanol and butanol: Effects of biochar feedstock type and processing temperature. <i>Bioresource Technology</i> , 2022, 360, 127573.	9.6	9
3	Review of Dissolved CO and H <sub>2</sub> Measurement Methods for Syngas Fermentation. <i>Sensors</i> , 2021, 21, 2165.	3.8	6
4	Well-to-wake analysis of switchgrass to jet fuel via a novel co-fermentation of sugars and CO <sub>2</sub> . <i>Science of the Total Environment</i> , 2021, 782, 146770.	8.0	8
5	Biochar facilitated bioprocessing and biorefinery for productions of biofuel and chemicals: A review. <i>Bioresource Technology</i> , 2020, 295, 122252.	9.6	97
6	Feasibility of using biochar as buffer and mineral nutrients replacement for acetone-butanol-ethanol production from non-detoxified switchgrass hydrolysate. <i>Bioresource Technology</i> , 2020, 298, 122569.	9.6	41
7	Syngas Fermentation Into Biofuels and Biochemicals. , 2019, , 301-327.		9
8	Syngas fermentation process development for production of biofuels and chemicals: A review. <i>Bioresource Technology Reports</i> , 2019, 7, 100279.	2.7	109
9	Investigation and Modeling of Gas-Liquid Mass Transfer in a Sparged and Non-Sparged Continuous Stirred Tank Reactor with Potential Application in Syngas Fermentation. <i>Fermentation</i> , 2019, 5, 75.	3.0	19
10	Production of Ethanol from Livestock, Agricultural, and Forest Residuals: An Economic Feasibility Study. <i>Environments - MDPI</i> , 2019, 6, 97.	3.3	4
11	Enhanced Acetone-Butanol-Ethanol Production by <i>Clostridium beijerinckii</i> Using Biochar. , 2019, , .		1
12	Measurement and prediction of mass transfer coefficients for syngas constituents in a hollow fiber reactor. <i>Bioresource Technology</i> , 2019, 276, 1-7.	9.6	17
13	Enhanced ethanol production from syngas by <i>Clostridium ragsdalei</i> in continuous stirred tank reactor using medium with poultry litter biochar. <i>Applied Energy</i> , 2019, 236, 1269-1279.	10.1	37
14	Continuous aryl alcohol oxidase production under growth-limited conditions using a trickle bed reactor. <i>Bioresource Technology</i> , 2018, 255, 149-155.	9.6	5
15	Enhanced ethanol production by <i>Clostridium ragsdalei</i> from syngas by incorporating biochar in the fermentation medium. <i>Bioresource Technology</i> , 2018, 247, 291-301.	9.6	61
16	Biochar enhanced ethanol and butanol production by <i>Clostridium carboxidivorans</i> from syngas. <i>Bioresource Technology</i> , 2018, 265, 128-138.	9.6	53
17	A green process for simultaneous production of fructose and ethanol via selective fermentation. <i>Journal of Cleaner Production</i> , 2017, 162, 420-426.	9.3	10
18	Process simulation of ethanol production from biomass gasification and syngas fermentation. <i>Bioresource Technology</i> , 2017, 245, 925-932.	9.6	71

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19	Prevention of melanin formation during aryl alcohol oxidase production under growth-limited conditions using an <i>Aspergillus nidulans</i> cell factory. <i>Bioresource Technology</i> , 2017, 243, 874-882.	9.6	13
20	Continuous Ethanol Production from Synthesis Gas by <i>Clostridium ragsdalei</i> in a Trickle-Bed Reactor. <i>Fermentation</i> , 2017, 3, 23.	3.0	48
21	Syngas Fermentation: A Microbial Conversion Process of Gaseous Substrates to Various Products. <i>Fermentation</i> , 2017, 3, 28.	3.0	136
22	Utilizing Anaerobic Fungi for Two-stage Sugar Extraction and Biofuel Production from Lignocellulosic Biomass. <i>Frontiers in Microbiology</i> , 2017, 8, 635.	3.5	34
23	Ethanol production during semi-continuous syngas fermentation in a trickle bed reactor using <i>Clostridium ragsdalei</i> . <i>Bioresource Technology</i> , 2016, 209, 56-65.	9.6	86
24	Critical factors affecting the integration of biomass gasification and syngas fermentation technology. <i>AIMS Bioengineering</i> , 2016, 3, 188-210.	1.1	36
25	Continuous xylanase production with <i>Aspergillus nidulans</i> under pyridoxine limitation using a trickle bed reactor. <i>Bioresource Technology</i> , 2015, 188, 219-225.	9.6	10
26	Butanol production from hydrothermolysis-pretreated switchgrass: Quantification of inhibitors and detoxification of hydrolyzate. <i>Bioresource Technology</i> , 2015, 189, 292-301.	9.6	93
27	Butanol and hexanol production in <i>Clostridium carboxidivorans</i> syngas fermentation: Medium development and culture techniques. <i>Bioresource Technology</i> , 2015, 190, 114-121.	9.6	211
28	Process development for biological production of butanol from Eastern redcedar. <i>Bioresource Technology</i> , 2015, 176, 88-97.	9.6	29
29	Kinetic Modeling and Enhanced Production of Fructose and Ethanol From Date Fruit Extract. <i>Chemical Engineering Communications</i> , 2015, 202, 1618-1627.	2.6	25
30	A review of conversion processes for bioethanol production with a focus on syngas fermentation. <i>Biofuel Research Journal</i> , 2015, 2, 268-280.	13.3	123
31	Production of fructose from highly concentrated date extracts using <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2014, 36, 531-536.	2.2	12
32	Simultaneous saccharification and fermentation of Eastern redcedar heartwood and sapwood using a novel size reduction technique. <i>Bioresource Technology</i> , 2014, 161, 1-9.	9.6	9
33	Continuous syngas fermentation for the production of ethanol, n-propanol and n-butanol. <i>Bioresource Technology</i> , 2014, 151, 69-77.	9.6	129
34	Influence of Eastern redcedar oil on enzymatic hydrolysis of microcrystalline cellulose and <i>Saccharomyces cerevisiae</i> fermentations. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014, 3, 177-180.	3.1	1
35	Mixed culture syngas fermentation and conversion of carboxylic acids into alcohols. <i>Bioresource Technology</i> , 2014, 152, 337-346.	9.6	90
36	Development of an efficient pretreatment process for enzymatic saccharification of Eastern redcedar. <i>Bioresource Technology</i> , 2013, 136, 131-139.	9.6	15

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37	Effect of high dry solids loading on enzymatic hydrolysis of acid bisulfite pretreated Eastern redcedar. <i>Bioresource Technology</i> , 2013, 147, 168-176.	9.6	58
38	Development of low cost medium for ethanol production from syngas by <i>Clostridium ragsdalei</i> . <i>Bioresource Technology</i> , 2013, 147, 508-515.	9.6	52
39	Carbon dioxide conversion to fuels and chemicals using a hybrid green process. <i>Applied Energy</i> , 2013, 112, 289-299.	10.1	73
40	A comparison of mass transfer coefficients between trickle-bed, hollow fiber membrane and stirred tank reactors. <i>Bioresource Technology</i> , 2013, 133, 340-346.	9.6	115
41	The Genome of the Anaerobic Fungus <i>Orpinomyces</i> sp. Strain C1A Reveals the Unique Evolutionary History of a Remarkable Plant Biomass Degradator. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4620-4634.	3.1	224
42	Low Cost Medium for Ethanol Production Using Novel Moderately Alkaliphilic <i>Alkalibaculum bacchi</i> CP15. , 2012, , .		0
43	Physiological response of <i>Clostridium carboxidivorans</i> during conversion of synthesis gas to solvents in a gas-fermented bioreactor. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2720-2728.	3.3	80
44	Fermentative production of ethanol from syngas using novel moderately alkaliphilic strains of <i>Alkalibaculum bacchi</i> . <i>Bioresource Technology</i> , 2012, 104, 336-341.	9.6	97
45	Mass Transfer and Kinetic Limitations During Synthesis Gas Fermentation by Acetogenic Bacteria. , 2011, , .		0
46	Designing Syngas Fermentation Medium for Fuels and Bulk Chemicals Production. , 2011, , .		3
47	Simultaneous saccharification and fermentation of Kanlow switchgrass by thermotolerant <i>Kluyveromyces marxianus</i> IMB3: The effect of enzyme loading, temperature and higher solid loadings. <i>Bioresource Technology</i> , 2011, 102, 10618-10624.	9.6	96
48	Ethanol production from syngas by <i>Clostridium</i> strain P11 using corn steep liquor as a nutrient replacement to yeast extract. <i>Bioresource Technology</i> , 2011, 102, 6494-6501.	9.6	167
49	Reduction of acetone to isopropanol using producer gas fermenting microbes. <i>Biotechnology and Bioengineering</i> , 2011, 108, 2330-2338.	3.3	36
50	Microbial production of ethanol from carbon monoxide. <i>Current Opinion in Biotechnology</i> , 2011, 22, 326-330.	6.6	96
51	Feasibility of incorporating cotton seed extract in <i>Clostridium</i> strain P11 fermentation medium during synthesis gas fermentation. <i>Bioresource Technology</i> , 2010, 101, 9673-9680.	9.6	63
52	An Experimental Investigation of Water Transport in PEMFCs. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, B34.	2.2	70
53	Separation of sodium metaborate from sodium borohydride using nanofiltration membranes for hydrogen storage application. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 229-236.	7.1	20
54	Experimental investigation of the role of a microporous layer on the water transport and performance of a PEM fuel cell. <i>Journal of Power Sources</i> , 2007, 170, 111-121.	7.8	166

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55	Investigating the Role of a Microporous Layer on the Water Transport and Performance of a PEMFC. ECS Transactions, 2006, 3, 1227-1237.	0.5	17
56	Purification of Fructose Syrups Produced from Cane Molasses Media Using Ultrafiltration Membranes and Activated Carbon. Separation Science and Technology, 2005, 39, 341-362.	2.5	8
57	Utilization of raffinose and melibiose by a mutant of <i>Saccharomyces cerevisiae</i> . Journal of Chemical Technology and Biotechnology, 2003, 78, 1068-1074.	3.2	7
58	Production of Fructose and Ethanol from Cane Molasses Using <i>Saccharomyces cerevisiae</i> ATCC 36858. Acta Biotechnologica, 2003, 23, 37-48.	0.9	26
59	Production of Fructose and Ethanol from Sugar Beet Molasses Using <i>Saccharomyces cerevisiae</i> ATCC 36858. Biotechnology Progress, 2002, 18, 234-239.	2.6	24
60	Study of the production of fructose and ethanol from sucrose media by <i>Saccharomyces cerevisiae</i> . Applied Microbiology and Biotechnology, 2001, 57, 407-411.	3.6	16
61	Production of fructose and ethanol from media with high sucrose concentrations by a mutant of <i>Saccharomyces cerevisiae</i> . Journal of Chemical Technology and Biotechnology, 2001, 76, 1017-1022.	3.2	17