

Abu Yousuf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9146793/publications.pdf>

Version: 2024-02-01

72
papers

1,920
citations

236833

25
h-index

276775

41
g-index

74
all docs

74
docs citations

74
times ranked

2422
citing authors

#	ARTICLE	IF	CITATIONS
1	Schottky barrier and surface plasmonic resonance phenomena towards the photocatalytic reaction: study of their mechanisms to enhance photocatalytic activity. <i>Catalysis Science and Technology</i> , 2015, 5, 2522-2531.	2.1	245
2	Biodiesel from lignocellulosic biomass – Prospects and challenges. <i>Waste Management</i> , 2012, 32, 2061-2067.	3.7	121
3	Microbial Conversion of Olive Oil Mill Wastewaters into Lipids Suitable for Biodiesel Production. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8630-8635.	2.4	91
4	Photoelectrocatalytic Reduction of Carbon Dioxide to Methanol Using CuFe ₂ O ₄ Modified with Graphene Oxide under Visible Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 563-572.	1.8	62
5	Bioremediation of palm oil mill effluent and lipid production by <i>Lipomyces starkeyi</i> : A combined approach. <i>Journal of Cleaner Production</i> , 2018, 172, 1779-1787.	4.6	58
6	Co-gasification of empty fruit bunch in a downdraft reactor: A pilot scale approach. <i>Bioresource Technology Reports</i> , 2018, 1, 39-49.	1.5	56
7	Photoelectrochemical reduction of carbon dioxide to methanol on p-type CuFe ₂ O ₄ under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18185-18193.	3.8	55
8	An Insight of Synergy between <i>Pseudomonas aeruginosa</i> and <i>Klebsiella variicola</i> in a Microbial Fuel Cell. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4130-4137.	3.2	54
9	Photocatalytic reduction of CO ₂ into methanol over CuFe ₂ O ₄ /TiO ₂ under visible light irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 589-604.	0.8	53
10	Enhanced power generation using controlled inoculum from palm oil mill effluent fed microbial fuel cell. <i>Fuel</i> , 2015, 143, 72-79.	3.4	53
11	Electrogenic and Antimethanogenic Properties of <i>Bacillus cereus</i> for Enhanced Power Generation in Anaerobic Sludge-Driven Microbial Fuel Cells. <i>Energy & Fuels</i> , 2017, 31, 6132-6139.	2.5	52
12	Augmentation of air cathode microbial fuel cell performance using wild type <i>Klebsiella variicola</i> . <i>RSC Advances</i> , 2017, 7, 4798-4805.	1.7	50
13	Enhanced Current Generation Using Mutualistic Interaction of Yeast-Bacterial Coculture in Dual Chamber Microbial Fuel Cell. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 813-821.	1.8	46
14	Ultrasound Driven Biofilm Removal for Stable Power Generation in Microbial Fuel Cell. <i>Energy & Fuels</i> , 2017, 31, 968-976.	2.5	44
15	Synthesis and characterization of CuO/C catalyst for the esterification of free fatty acid in rubber seed oil. <i>Fuel</i> , 2014, 120, 195-201.	3.4	42
16	Techno-economic evaluation of heat integrated second generation bioethanol and furfural coproduction. <i>Biochemical Engineering Journal</i> , 2019, 144, 89-103.	1.8	42
17	Anaerobic Digestion of Kitchen Waste to Produce Biogas. <i>Procedia Engineering</i> , 2014, 90, 657-662.	1.2	40
18	Technical difficulties and solutions of direct transesterification process of microbial oil for biodiesel synthesis. <i>Biotechnology Letters</i> , 2017, 39, 13-23.	1.1	40

#	ARTICLE	IF	CITATIONS
19	Gasification of lignocellulosic biomass to produce syngas in a 50kW downdraft reactor. Biomass and Bioenergy, 2018, 119, 335-345.	2.9	37
20	Microbial synergistic interactions enhanced power generation in co-culture driven microbial fuel cell. Science of the Total Environment, 2020, 738, 140138.	3.9	33
21	Financial sustainability of biogas technology: Barriers, opportunities, and solutions. Energy Sources, Part B: Economics, Planning and Policy, 2016, 11, 841-848.	1.8	32
22	Effect of waste rubber powder as filler for plywood application. Polish Journal of Chemical Technology, 2015, 17, 41-47.	0.3	28
23	Microbial Lipid Accumulation through Bioremediation of Palm Oil Mill Wastewater by <i>Bacillus cereus</i> . ACS Sustainable Chemistry and Engineering, 2019, 7, 14500-14508.	3.2	28
24	Bioethanol production through syngas fermentation in a tar free bioreactor using Clostridium butyricum. Renewable Energy, 2020, 157, 1116-1123.	4.3	28
25	Synthesis and characterization of a CaFe ₂ O ₄ catalyst for oleic acid esterification. RSC Advances, 2015, 5, 100362-100368.	1.7	27
26	Correlation of power generation with time-course biofilm architecture using Klebsiella variicola in dual chamber microbial fuel cell. International Journal of Hydrogen Energy, 2017, 42, 25933-25941.	3.8	26
27	Palm kernel meal as a melamine urea formaldehyde adhesive filler for plywood applications. International Journal of Adhesion and Adhesives, 2018, 85, 8-14.	1.4	24
28	Microalgae Cultivation Systems. , 2020, , 11-29.		24
29	Syngas Production from Co-gasification of Forest Residue and Charcoal in a Pilot Scale Downdraft Reactor. Waste and Biomass Valorization, 2020, 11, 635-651.	1.8	23
30	Microalgal Cell Disruption and Lipid Extraction Techniques for Potential Biofuel Production. , 2020, , 129-147.		23
31	Fundamentals of lignocellulosic biomass. , 2020, , 1-15.		23
32	Technical difficulties of mixed culture driven waste biomass-based biohydrogen production: Sustainability of current pretreatment techniques and future prospective. Renewable and Sustainable Energy Reviews, 2021, 151, 111519.	8.2	23
33	Social business models for empowering the biogas technology. Energy Sources, Part B: Economics, Planning and Policy, 2017, 12, 99-109.	1.8	21
34	Enhanced Biohydrogen Production from Citrus Wastewater Using Anaerobic Sludge Pretreated by an Electroporation Technique. Industrial & Engineering Chemistry Research, 2019, 58, 573-580.	1.8	21
35	Biogas production from anaerobic co-digestion using kitchen waste and poultry manure as substrate”part 1: substrate ratio and effect of temperature. Biomass Conversion and Biorefinery, 2023, 13, 6635-6645.	2.9	21
36	IoT Based Hybrid Green Energy Driven Highway Lighting System. , 2019, , .		20

#	ARTICLE	IF	CITATIONS
37	Yeast and bacteria co-culture-based lipid production through bioremediation of palm oil mill effluent: a statistical optimization. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 2947-2958.	2.9	20
38	Microbial lipid accumulation through bioremediation of palm oil mill effluent using a yeast-bacteria co-culture. <i>Renewable Energy</i> , 2021, 176, 106-114.	4.3	20
39	Remediation of Waters Contaminated with MCPA by the Yeasts <i>Lipomyces starkeyi</i> Entrapped in a Sol-gel Zirconia Matrix. <i>Environmental Science & Technology</i> , 2010, 44, 9476-9481.	4.6	18
40	Lipid production from <i>Arundo donax</i> grown under different agronomical conditions. <i>Renewable Energy</i> , 2015, 77, 456-462.	4.3	18
41	Enhancing Co-Gasification of Coconut Shell by reusing Char. <i>Indian Journal of Science and Technology</i> , 2017, 10, 1-5.	0.5	18
42	Impact of temperature, inoculum flow pattern, inoculum type, and their ratio on dry anaerobic digestion for biogas production. <i>Scientific Reports</i> , 2022, 12, 6162.	1.6	14
43	Microbial lipid extraction from <i>Lipomyces starkeyi</i> using irreversible electroporation. <i>Biotechnology Progress</i> , 2018, 34, 838-845.	1.3	13
44	Hydrogen-rich syngas fermentation for bioethanol production using <i>Sacharomyces cerevisiae</i> . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18241-18249.	3.8	13
45	Performance of <i>Klebsiella oxytoca</i> generate electricity from POME in microbial fuel cell. <i>MATEC Web of Conferences</i> , 2016, 38, 03004.	0.1	10
46	Lignocellulosic biomass to biodiesel. , 2020, , 127-167.		10
47	Fundamentals of Microalgae Cultivation. , 2020, , 1-9.		10
48	Electrochemical Study of Copper Ferrite as a Catalyst for CO ₂ Photoelectrochemical Reduction. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 236.	0.5	9
49	Facile Synthesis of PVP-MnO ₂ /CNT Composites as ORR Electrocatalyst for an Air-Cathode Microbial Fuel Cell. <i>International Journal of Electrochemical Science</i> , 2018, 13, 7789-7799.	0.5	8
50	Optimization of Lipase Production by a <i>Rhizopus</i> MR12 in Shake Culture. <i>Journal of Applied Sciences</i> , 2007, 7, 855-860.	0.1	8
51	A novel multi-phase treatment scheme for odorous rubber effluent. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1366-1372.	1.2	7
52	Electricity generation form pretreated palm oil mill effluent using <i>Klebsiella Variicola</i> as an inoculum in Microbial fuel cell. , 2016, , .		6
53	SYNTHESIS OF BIODIESEL FROM HYDROLYZATES OF <i>Arundo donax</i> . <i>Environmental Engineering and Management Journal</i> , 2012, 11, 1797-1801.	0.2	6
54	BIOELECTROCHEMICAL BEHAVIOR OF WILD TYPE <i>BACILLUS CEREUS</i> IN DUAL CHAMBER MICROBIAL FUEL CELL. <i>IJUM Engineering Journal</i> , 2017, 18, 79-86.	0.5	5

#	ARTICLE	IF	CITATIONS
55	Optimization and fabrication of a portable biogas reactor. Journal of Chemical Engineering, 2014, 27, 36-40.	0.1	4
56	Application of Electroporation Technique in Biofuel Processing. MATEC Web of Conferences, 2017, 97, 01085.	0.1	4
57	Economic and Market Value of Biogas Technology. , 2017, , 137-158.		4
58	Prospect of agro-industrial residues as feedstock of biodiesel. , 2009, , .		3
59	EFFECT OF NICKEL CONTAMINATION ON THE GROWTH OF OLEAGINOUS YEASTS IN HYDROLISATES OF Arundo donax. Environmental Engineering and Management Journal, 2015, 14, 1683-1690.	0.2	3
60	PRODUCTION OF MICROBIAL LIPIDS FROM TOMATO WASTE TO BE USED AS FEEDSTOCK FOR BIODIESEL. Environmental Engineering and Management Journal, 2017, 16, 59-65.	0.2	3
61	Integrated technique to produce sustainable bioethanol from lignocellulosic biomass. Materials Letters: X, 2022, 13, 100127.	0.3	3
62	Syngas fermentation to bioethanol. , 2020, , 195-216.		2
63	Catalytic Gasification of Empty Palm Fruit Bunches Using Charcoal and Bismuth Oxide for Syngas Production. Topics in Catalysis, 2023, 66, 64-74.	1.3	2
64	A mathematical model for ethanol fermentation from oil palm trunk sap using Saccharomyces cerevisiae. Journal of Physics: Conference Series, 2017, 890, 012050.	0.3	1
65	Fungal Biorefinery for the Production of Single Cell Oils as Advanced Biofuels. Fungal Biology, 2018, , 185-213.	0.3	1
66	Generation of Bio-Electricity From Whey. Journal of Chemical Engineering, 2014, 28, 22-26.	0.1	1
67	Dry fermenters for biogas production. , 2020, , 75-87.		1
68	A comparative study on anaerobic co-digestion of kitchen waste with sewage sludge and cow manure. , 2014, , .		0
69	Assessment of organic acid-rich bio-sap to generate electricity. International Journal of Sustainable Energy, 2016, 35, 746-756.	1.3	0
70	Effect of Single and Mixed Inoculum on Biogas Yield During Dry Anaerobic Digestion of Organic Municipal Solid Waste. Chemical Engineering Research Bulletin, 0, , 77-81.	0.2	0
71	Role of Biocatalyst in Microbial Fuel Cell Performance. , 2019, , 85-105.		0
72	Conversion pathways for biomass-derived aviation fuels. , 2022, , 1-25.		0