

# Farid Nasir Ani

## List of Publications by Year in descending order

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116  
papers

5,701  
citations

109321

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79698

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116  
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116  
docs citations

116  
times ranked

6702  
citing authors

#	ARTICLE	IF	CITATIONS
1	A numerical Study of the Effect of FaÅšade Opening on Nighttime Ventilation of a Low-Energy Building. , 2022, , .		0
2	Phenol-rich bio-oil derivation via microwave-induced fast pyrolysis of oil palm empty fruit bunch with activated carbon. Environmental Technology and Innovation, 2021, 21, 101291.	6.1	31
3	Economic analysis of a novel solar-assisted air conditioning system with integral absorption energy storage. Journal of Cleaner Production, 2021, 291, 125918.	9.3	20
4	Optimization studies of microwave-induced co-pyrolysis of empty fruit bunches/waste truck tire using response surface methodology. Journal of Cleaner Production, 2020, 244, 118649.	9.3	53
5	Antioxidants, Toxicity, and Nitric Oxide Inhibition Properties of Pyrolygneous Acid from Palm Kernel Shell Biomass. Waste and Biomass Valorization, 2020, 11, 6307-6319.	3.4	11
6	A detailed parametric study of a solar driven double-effect absorption chiller under various solar radiation data. Journal of Cleaner Production, 2020, 251, 119750.	9.3	21
7	Microwave pyrolysis for valorisation of horse manure biowaste. Energy Conversion and Management, 2020, 220, 113074.	9.2	52
8	Charging and discharging characteristics of absorption energy storage integrated with a solar driven double-effect absorption chiller for air conditioning applications. Journal of Energy Storage, 2020, 29, 101374.	8.1	14
9	Microwave assisted acid hydrolysis for bioethanol fuel production from sago pith waste. Waste Management, 2019, 86, 80-86.	7.4	29
10	Microwave torrefaction for viable fuel production: A review on theory, affecting factors, potential and challenges. Fuel, 2019, 253, 512-526.	6.4	57
11	Microwave-induced pyrolysis of waste truck tyres with carbonaceous susceptor for the production of diesel-like fuel. Journal of the Energy Institute, 2019, 92, 1831-1841.	5.3	28
12	Pyrolysis characteristics and kinetic studies of horse manure using thermogravimetric analysis. Energy Conversion and Management, 2019, 180, 1260-1267.	9.2	214
13	Utilization of Oil Palm Fiber and Palm Kernel Shell in Various Applications. , 2018, , 45-56.		7
14	Microwave-assisted production of optimized pyrolysis liquid oil from oil palm fiber. Journal of Cleaner Production, 2018, 182, 404-413.	9.3	48
15	Solar absorption systems with integrated absorption energy storageâ€œA review. Renewable and Sustainable Energy Reviews, 2018, 82, 1602-1610.	16.4	72
16	Combustion Performance of Diesel Palm Olein Fuel: A Combined CFD and Experimental Approach. Arabian Journal for Science and Engineering, 2018, 43, 1291-1300.	3.0	6
17	Process optimization of microwave assisted co-pyrolysis of coal and oil palm shell blend with carbon surfaces. IOP Conference Series: Materials Science and Engineering, 2018, 414, 012016.	0.6	0
18	Pyrolysis characteristic of rice husk with plastic bag as fuel for power generation by using a thermogravimetric analysis. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012034.	0.3	3

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19	New composites based on low-density polyethylene and rice husk: Elemental and thermal characteristics. <i>Environmental Engineering Research</i> , 2018, 23, 250-257.	2.5	5
20	Production of liquid biofuels (biodiesel and bioethanol) from brown marine macroalgae <i>Padina tetrastrum</i> . <i>Energy Conversion and Management</i> , 2017, 135, 351-361.	9.2	74
21	Microwave-assisted and carbonaceous catalytic pyrolysis of crude glycerol from biodiesel waste for energy production. <i>Energy Conversion and Management</i> , 2017, 143, 399-409.	9.2	42
22	Microwave dielectric properties of Malaysian palm oil and agricultural industrial biomass and biochar during pyrolysis process. <i>Fuel Processing Technology</i> , 2017, 166, 164-173.	7.2	57
23	Microwave induced plasma for solid fuels and waste processing: A review on affecting factors and performance criteria. <i>Waste Management</i> , 2017, 69, 423-430.	7.4	21
24	Performance characteristics of a solar driven lithium bromide-water absorption chiller integrated with absorption energy storage. <i>Energy Conversion and Management</i> , 2017, 150, 188-200.	9.2	47
25	ADVANCEMENT IN THE PRODUCTION OF ACTIVATED CARBON FROM BIOMASS USING MICROWAVE HEATING. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	9
26	EFFECT OF HEAT TREATMENT ON THE CHARACTERISTICS OF ELECTROLESS ACTIVATED CARBON-NICKEL OXIDE NANOCOMPOSITES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	3
27	Sustainable Biofuels and Other Related Bio-Products from Palm Cultivations. <i>MATEC Web of Conferences</i> , 2016, 77, 11005.	0.2	1
28	THE APPLICATION OF LASER IN THERMAL TREATMENT OF SOLID PARTICLES AND GAS-PHASE OF BIOMASS PROCESSING-A REVIEW. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	0
29	HETEROGENEOUS TRANSESTERIFICATION OF RUBBER SEED OIL BIODIESEL PRODUCTION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	1
30	Corrosive characteristics of bioethanol and gasoline blends for metals. <i>International Journal of Energy Research</i> , 2016, 40, 1704-1711.	4.5	16
31	Impact of metals on corrosive behavior of biodiesel-diesel-ethanol (BDE) alternative fuel. <i>Renewable Energy</i> , 2016, 94, 1-9.	8.9	49
32	Tribological Features of Refined, Deodorized, and Bleached Palm Olein with Mineral Oil Blend. <i>Tribology Transactions</i> , 2016, 59, 671-678.	2.0	7
33	Electroless nano zinc oxide-activate carbon composite supercapacitor electrode. <i>Journal of Electroceramics</i> , 2016, 36, 122-128.	2.0	16
34	Heat distortion temperature and mechanical properties of agricultural wastes-reinforced phenolic composites. <i>Journal of Polymer Engineering</i> , 2016, 36, 641-647.	1.4	2
35	Fruit waste as feedstock for recovery by pyrolysis technique. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 325-333.	3.9	157
36	Review on bioethanol as alternative fuel for spark ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 820-835.	16.4	182

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37	Fuel production from microwave assisted pyrolysis of coal with carbon surfaces. Energy Conversion and Management, 2016, 110, 142-153.	9.2	57
38	Progress in waste oil to sustainable energy, with emphasis on pyrolysis techniques. Renewable and Sustainable Energy Reviews, 2016, 53, 741-753.	16.4	267
39	Optimization of microwave irradiated - coconut shell activated carbon using response surface methodology for adsorption of benzene and toluene. Desalination and Water Treatment, 2016, 57, 7881-7897.	1.0	9
40	THE PERFORMANCES OF A MODIFIED EJECTOR AIR CONDITIONING CYCLE. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	0
41	Emissions from Petrol Engine Fueled Gasoline-Ethanol-Methanol (GEM) Ternary mixture as Alternative Fuel. MATEC Web of Conferences, 2015, 27, 01010.	0.2	1
42	MICROWAVE PLASMA GASIFICATION OF OIL PALM BIOCHAR. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.4	3
43	Optimization and characterization of bio-oil produced by microwave assisted pyrolysis of oil palm shell waste biomass with microwave absorber. Bioresource Technology, 2015, 190, 442-450.	9.6	122
44	An integrated approach for biodiesel and bioethanol production from Scenedesmus bijugatus cultivated in a vertical tubular photobioreactor. Energy Conversion and Management, 2015, 101, 778-786.	9.2	76
45	Modified phyto-waste Terminalia catappa fruit shells: a reusable adsorbent for the removal of micropollutant diclofenac. RSC Advances, 2015, 5, 30950-30962.	3.6	61
46	Recent development in the production of activated carbon electrodes from agricultural waste biomass for supercapacitors: A review. Renewable and Sustainable Energy Reviews, 2015, 52, 1282-1293.	16.4	629
47	The development supercapacitor from activated carbon by electroless plating-A review. Renewable and Sustainable Energy Reviews, 2015, 42, 823-834.	16.4	306
48	The Tribological Characteristic of the Blends of Rbd Palm Olein with Mineral Oil Using Four-ball Tribotester. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	14
49	Comparing Characteristics of Oil Palm Biochar Using Conventional and Microwave Heating. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.4	10
50	The Effect of Flame Temperature, Nozzle Position and Swirl Gas on Microwave Plasma Flame. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.4	4
51	Numerical Analysis of Modified Ejector Cycle on Ejector as an Expansion Device on Residential Air Conditioner. Applied Mechanics and Materials, 2014, 554, 261-265.	0.2	0
52	Microwave Thermal Conversion of Oil Palm and Related Biomass for Biofuels and Biochars. Applied Mechanics and Materials, 2014, 606, 223-226.	0.2	1
53	Bio-Oils Characteristic from Oil Palm Biomass from Different Fast Pyrolysis Techniques. Applied Mechanics and Materials, 2014, 554, 266-270.	0.2	3
54	Pyrolysis of Solid Palm Waste Biomass with Microwave Absorber under Microwave Irradiation. Applied Mechanics and Materials, 2014, 606, 73-77.	0.2	4

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55	Numerical and experimental study of an ejector as an expansion device in split-type air conditioner for energy savings. <i>Energy and Buildings</i> , 2014, 79, 98-105.	6.7	30
56	Microwave-assisted synthesis of metal oxide/hydroxide composite electrodes for high power supercapacitors – A review. <i>Journal of Power Sources</i> , 2014, 263, 338-360.	7.8	360
57	A study on large scale cultivation of <i>Microcystis aeruginosa</i> under open raceway pond at semi-continuous mode for biodiesel production. <i>Bioresource Technology</i> , 2014, 172, 186-193.	9.6	28
58	Optimization and characterization of biodiesel production from microalgae <i>Botryococcus</i> grown at semi-continuous system. <i>Energy Conversion and Management</i> , 2014, 88, 936-946.	9.2	60
59	A review on microwave assisted pyrolysis of coal and biomass for fuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 39, 555-574.	16.4	274
60	Review of Limiting Issues in Industrialization and Scale-up of Microwave-Assisted Activated Carbon Production. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 12185-12191.	3.7	23
61	Date palm waste gasification in downdraft gasifier and simulation using ASPEN HYSYS. <i>Energy Conversion and Management</i> , 2014, 88, 693-699.	9.2	69
62	Bioethanol production from sago pith waste using microwave hydrothermal hydrolysis accelerated by carbon dioxide. <i>Applied Energy</i> , 2014, 128, 277-283.	10.1	67
63	Dielectric properties and microwave heating of oil palm biomass and biochar. <i>Industrial Crops and Products</i> , 2013, 50, 366-374.	5.2	128
64	Experimental and Simulation Study of Fluidization Behavior of Palm Biomass in a Circulating Fluidized Bed Riser. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 17529-17537.	3.7	6
65	A new technique to pyrolyse biomass in a microwave system: Effect of stirrer speed. <i>Bioresource Technology</i> , 2013, 128, 578-585.	9.6	75
66	Fossil fuel energy scenario in Malaysia-prospect of indigenous renewable biomass and coal resources. , 2013, , .		9
67	Wear Resistance Characteristic of Vegetable Oil. <i>Advanced Materials Research</i> , 2013, 795, 42-46.	0.3	4
68	Numerical Study of an Ejector as an Expansion Device in Split-type Air Conditioners for Energy Savings. <i>Journal of Engineering and Technological Sciences</i> , 2013, 45, 179-192.	0.6	10
69	Microwave irradiation biodiesel processing of waste cooking oil. , 2012, , .		5
70	Microwave induced fast pyrolysis of scrap rubber tires. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	7
71	Wear resistance evaluation of palm fatty acid distillate using four-ball tribotester. , 2012, , .		5
72	The application of gas ejector for road transport air conditioning system. , 2012, , .		2

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73	Pyrolysis and combustion kinetics of date palm biomass using thermogravimetric analysis. <i>Bioresource Technology</i> , 2012, 118, 382-389.	9.6	307
74	The Performances of Fixed and Stirred Bed in Microwave Pyrolysis of Biomass. <i>APCBEE Procedia</i> , 2012, 3, 188-193.	0.5	5
75	Pyrolysis of oil palm empty fruit bunch biomass pellets using multimode microwave irradiation. <i>Bioresource Technology</i> , 2012, 125, 102-107.	9.6	109
76	Microwave-assisted pyrolysis of oil palm shell biomass using an overhead stirrer. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 96, 162-172.	5.5	145
77	Heating characteristics of biomass and carbonaceous materials under microwave radiation. , 2011, , .		9
78	Microwave induced pyrolysis of oil palm biomass. <i>Bioresource Technology</i> , 2011, 102, 3388-3395.	9.6	261
79	A review on oil palm empty fruit bunch fiber reinforced polymer composite materials. <i>Polymer Composites</i> , 2010, 31, 2079-2101.	4.6	135
80	Water Absorption of Lignocellulosic Phenolic Composites. <i>Polymers and Polymer Composites</i> , 2008, 16, 379-387.	1.9	7
81	Combustion modelling of an industrial municipal waste combustor in Malaysia. <i>International Journal of Environmental Studies</i> , 2006, 63, 313-329.	1.6	3
82	Preliminary Study on Combustion of Biodiesel for Power Generation. , 2006, , 29.		3
83	Carbon molecular sieves produced from oil palm shell for air separation. <i>Separation and Purification Technology</i> , 2004, 35, 47-54.	7.9	41
84	Application of selective non-catalytic reduction of NOx in small-scale combustion systems. <i>Atmospheric Environment</i> , 2004, 38, 6823-6828.	4.1	11
85	Diffusional behavior and adsorption capacity of palm shell chars for oxygen and nitrogen the effect of carbonization temperature. <i>Carbon</i> , 2003, 41, 840-842.	10.3	10
86	Preparing activated carbon from various nutshells by chemical activation with K <sub>2</sub> CO <sub>3</sub> . <i>Carbon</i> , 2002, 40, 2381-2386.	10.3	326
87	Pyrolytic oil from fluidised bed pyrolysis of oil palm shell and its characterisation. <i>Renewable Energy</i> , 1999, 17, 73-84.	8.9	116
88	The Utilization Potential of Rice Husk as an Alternative Energy Source for Power Plants in Indonesia. <i>Advanced Materials Research</i> , 0, 845, 494-498.	0.3	12
89	Investigate Jatropha Oil as New Source of Lubricant Oil. <i>Applied Mechanics and Materials</i> , 0, 465-466, 201-205.	0.2	9
90	Numerical Study of Ejector as an Expansion Device in Split-Type Air Conditioner. <i>Applied Mechanics and Materials</i> , 0, 388, 101-105.	0.2	12

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91	The Effects of Injection Parameters on the Performance of Common Rail Light Duty Engine Fueled with Palm Oil Biodiesel. Applied Mechanics and Materials, 0, 465-466, 322-326.	0.2	2
92	Palm Fatty Acid Distillate as an Alternative Source for Hydraulic Oil. Applied Mechanics and Materials, 0, 315, 941-945.	0.2	8
93	Experimental Investigation on the Use of Secondary Refrigerant in Freezer for Energy Savings. Applied Mechanics and Materials, 0, 493, 233-238.	0.2	0
94	Solid Waste Management and Treatment in Malaysia. Applied Mechanics and Materials, 0, 699, 969-974.	0.2	3
95	Exergy Analysis on a Split-Type Conditioner Using Ejector as an Expansion Device. Applied Mechanics and Materials, 0, 699, 828-833.	0.2	1
96	Thermodynamic Analysis of Ejector as an Expansion Device on Split-Type Air Conditioner Using R410A as Working Fluid. Applied Mechanics and Materials, 0, 493, 227-232.	0.2	2
97	Evaluation of the Prospects of Using Solar Thermal Air-Conditioning Systems in Saudi Arabia. Applied Mechanics and Materials, 0, 554, 271-275.	0.2	5
98	The Effects of Alkaline Catalysts in Used Frying Oil Biodiesel on the Diesel Engine Performances. Applied Mechanics and Materials, 0, 554, 449-453.	0.2	0
99	Performance and Emission of a Common Rail Passenger Car Engine Fuelled with Palm Oil Biodiesel. Applied Mechanics and Materials, 0, 564, 66-71.	0.2	2
100	Optimization of Biodiesel Production from Transesterification of Waste Cooking Oils Using Alkaline Catalysts. Applied Mechanics and Materials, 0, 695, 289-292.	0.2	0
101	Combustion Characteristics Modeling of Rice Husk as Fuel for Power Plant in Indonesia. Applied Mechanics and Materials, 0, 695, 815-819.	0.2	5
102	Heterogeneous Microwave Irradiation Biodiesel Processing of Jatropha Oil. Applied Mechanics and Materials, 0, 554, 500-504.	0.2	5
103	Syngas Production from Microwave Gasification of Oil Palm Biochars. Applied Mechanics and Materials, 0, 695, 247-250.	0.2	6
104	Energy Savings in Air Conditioning System Using Ejector: An Overview. Applied Mechanics and Materials, 0, 493, 93-98.	0.2	8
105	Simulation of a Double-Effect Solar Absorption System for Traditional House in Yemen. Applied Mechanics and Materials, 0, 695, 797-800.	0.2	1
106	The Characteristics of Oil Palm Shell Biochar and Activated Carbon Produced via Microwave Heating. Applied Mechanics and Materials, 0, 695, 12-15.	0.2	10
107	Application of ANN to Predict S.I. Engine Performance and Emission Characteristics Fuelled Bioethanol. Applied Mechanics and Materials, 0, 554, 454-458.	0.2	4
108	Lubricity of Palm Fatty Acid Distillates at Various Rotational Speeds. Applied Mechanics and Materials, 0, 606, 9-13.	0.2	0

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109	Microwave Assisted Pyrolysis of Waste Biomass Resources for Bio-Oil Production. Applied Mechanics and Materials, 0, 554, 307-311.	0.2	12
110	The Performances of Intimately Mix and Layer Methods in Microwave Assisted Pyrolysis System. Applied Mechanics and Materials, 0, 554, 150-154.	0.2	3
111	Potential Surplus of Rice Straw as a Source of Energy for Rural Communities in Indonesia. Applied Mechanics and Materials, 0, 695, 806-810.	0.2	6
112	Analysis of an Airfoil Using a Transition and Turbulence Model. Applied Mechanics and Materials, 0, 819, 356-360.	0.2	0
113	Performance of Ejector Refrigeration Cycle for Automotive Air Conditioning. Applied Mechanics and Materials, 0, 819, 202-206.	0.2	1
114	Performance of Petrol Engine Using Gasoline-Ethanol-Methanol (GEM) Ternary Mixture as Alternative Fuel. Applied Mechanics and Materials, 0, 833, 41-48.	0.2	0
115	Characteristic of Oil Palm Activated Carbon Produced from Microwave and Conventional Heating. Applied Mechanics and Materials, 0, 819, 606-611.	0.2	4
116	The Tribological Characteristics of RBD Palm Olein with Jatropha Oil Blend Using Four-Ball Tribotester with Different Normal Loads. Applied Mechanics and Materials, 0, 819, 499-503.	0.2	8