

# Sukarni Sukarni

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4672282/publications.pdf>

Version: 2024-02-01

46  
papers

375  
citations

840585

11  
h-index

887953

17  
g-index

46  
all docs

46  
docs citations

46  
times ranked

288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential and properties of marine microalgae <i>Nannochloropsis oculata</i> as biomass fuel feedstock. <i>International Journal of Energy and Environmental Engineering</i> , 2014, 5, 279-290.	1.3	88
2	Thermogravimetric kinetic analysis of <i>Nannochloropsis oculata</i> combustion in air atmosphere. <i>Frontiers in Energy</i> , 2015, 9, 125-133.	1.2	28
3	Performance of Anaerobic Baffled Reactor for Decentralized Wastewater Treatment in Urban Malang, Indonesia. <i>Processes</i> , 2019, 7, 184.	1.3	21
4	Convective heat transfer characteristics of TiO <sub>2</sub> -EG nanofluid as coolant fluid in heat exchanger. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	20
5	Exploring the potential of municipal solid waste (MSW) as solid fuel for energy generation: Case study in the Malang City, Indonesia. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	16
6	Synthesis and characterization of CaO/CaCO <sub>3</sub> from quail eggshell waste by solid state reaction process. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	16
7	Physical and Chemical Properties of Water Hyacinth ( <i>Eichhornia crassipes</i> ) as a Sustainable Biofuel Feedstock. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 515, 012070.	0.3	16
8	Thermogravimetric analysis of the combustion of marine microalgae <i>Spirulina platensis</i> and its blend with synthetic waste. <i>Heliyon</i> , 2020, 6, e04902.	1.4	16
9	Exploring the prospect of marine microalgae <i>Isochrysis galbana</i> as sustainable solid biofuel feedstock. <i>Journal of Applied Research and Technology</i> , 2018, 16, .	0.6	16
10	Heat transfer enhancement using nanofluids (MnFe <sub>2</sub> O <sub>4</sub> -ethylene glycol) in mini heat exchanger shell and tube. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	15
11	Effects of Various Sintering Conditions on the Structural and Magnetic Properties of Zinc Ferrite (ZnFe <sub>2</sub> O <sub>4</sub> ). <i>Materials Research</i> , 2021, 24, .	0.6	12
12	Thermogravimetric Analysis on Combustion Behavior of Marine Microalgae <i>Spirulina Platensis</i> Induced by MgCO <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> Additives. <i>International Journal of Technology</i> , 2019, 10, 1174.	0.4	12
13	Thermal decomposition behavior of water hyacinth ( <i>eichhornia crassipes</i> ) under an inert atmosphere. <i>MATEC Web of Conferences</i> , 2018, 204, 00010.	0.1	11
14	Physicochemical characteristics of various inorganic combustible solid waste (ICSW) mixed as sustainable solid fuel. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	10
15	The Properties of Eggshell Powders with the Variation of Sintering Duration. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 515, 012104.	0.3	9
16	Experimental Investigation and Optimization of Floating Blade Water Wheel Turbine Performance Using Taguchi Method and Analysis of Variance (ANOVA). <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 515, 012086.	0.3	7
17	The stucture of bioplastic from cassava starch with nanoclay reinforcement. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5
18	Kinetic analysis of co-combustion of microalgae <i>spirulina platensis</i> and synthetic waste through the fitting model. <i>MATEC Web of Conferences</i> , 2018, 204, 00009.	0.1	5

#	ARTICLE	IF	CITATIONS
19	Marine microalgae <i>Nannochloropsis oculata</i> biomass harvesting using ultrafiltration in cross-flow mode. IOP Conference Series: Earth and Environmental Science, 2018, 131, 012042.	0.2	5
20	Effect of Additional $MnFe_2O_4$ on a Combination of EG-Water Nanofluid and Volumetric Flowrate Variations towards Heat Transfer in Shell and Tube Heat Exchanger System. Key Engineering Materials, 0, 851, 38-46.	0.4	5
21	Investigation on kinetic and thermodynamic parameters of Cerbera manghas de-oiled seed as renewable energy during the pyrolysis process. AIP Conference Proceedings, 2020, , .	0.3	5
22	Thermogravimetric analysis and the fitting model kinetic evaluation of corn silk thermal decomposition under an inert atmosphere. IOP Conference Series: Materials Science and Engineering, 2019, 494, 012098.	0.3	4
23	Physicochemical Characteristics of Corn Silk as Biomass Fuel Feedstock. IOP Conference Series: Materials Science and Engineering, 0, 515, 012103.	0.3	3
24	The Potential of Waste Cooking Oil B20 Biodiesel Fuel with Lemon Essential Oil Bioadditive: Physicochemical Properties, Molecular Bonding, and Fuel Consumption. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 555-564.	0.5	3
25	A Kinetic Study on Tetraselmis chuii Combustion: The Catalytic Impact of Nanoparticle Titanium Dioxide (TiO <sub>2</sub> ) Additive. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 71, 39-49.	0.3	3
26	The addition of lamella in anaerobic baffled reactor used for decentralized municipal wastewater treatment. IOP Conference Series: Materials Science and Engineering, 2019, 669, 012052.	0.3	2
27	Thermophysical Properties and Heat Transfer Performance of TiO <sub>2</sub> -Distilled Water Nanofluid Using Shell and Tube Heat Exchanger. , 2019, , .		2
28	The fitting kinetic evaluation during co-pyrolysis of coal and water hyacinth (Eichhornia crassipes) to explore its potential for energy. AIP Conference Proceedings, 2020, , .	0.3	2
29	Thermal Characteristic of <i>Tetraselmis chuii</i> Combustion Influenced by Titanium Dioxide (TiO <sub>2</sub> ) Nanoparticle. Key Engineering Materials, 0, 851, 149-155.	0.4	2
30	Thermogravimetric Study on the Thermal Characteristics of <i>Tetraselmis chuii</i> Microalgae Pyrolysis in the Presence of Titanium dioxide. Key Engineering Materials, 0, 851, 156-163.	0.4	2
31	Pyrolytic thermal decomposition behavior and kinetic parameters of Tetraselmis chuii microalgae. AIP Conference Proceedings, 2020, , .	0.3	2
32	Investigation on kinetic parameters during combustion of Tetraselmis chuii microalgae under thermogravimetric analyzer. AIP Conference Proceedings, 2020, , .	0.3	2
33	Computational fluid dynamics heat transfer analysis of double pipe heat exchanger using nanofluid $MnFe_2O_4$ with ethylene glycol/water. IOP Conference Series: Materials Science and Engineering, 2021, 1034, 012065.	0.3	2
34	Physical properties and compressibility of quail eggshell nanopowder with heat treatment temperature variations. Materials Research Express, 2021, 8, 055008.	0.8	2
35	Properties of MnO doped graphene synthesized by co-precipitation method. Functional Materials, 2018, 25, 802-808.	0.4	2
36	The Catalytic Impact of MnO Additive on the Selected Municipal Solid Waste Combustion Behavior Determined by Thermogravimetric Analysis. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 71, 50-59.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Experimental investigation of design parameters for laboratory scale Pelton wheel turbine using RSM. MATEC Web of Conferences, 2018, 204, 07019.	0.1	1
38	Mechanical properties of Al-Si alloy with nanoreinforced manganese oxide by stir casting method. AIP Conference Proceedings, 2019, , .	0.3	1
39	A Tensile Strength Analysis of Hibiscus cannabinus L. Fiber and Corn Silk Reinforced Polyester Resin Matrix Hybrid Composite and Optimization of Design Parameters Using Response Surface Methodology. IOP Conference Series: Materials Science and Engineering, 2019, 515, 012045.	0.3	0
40	Arrhenius Kinetic Analysis during Combustion of &lt;i>Spirulina platensis &lt;/i>Microalgae. Key Engineering Materials, 0, 851, 142-148.	0.4	0
41	Fourier Transform Infrared (FTIR) Spectroscopy and X-Ray Diffraction (XRD) Analysis of Synthetic Waste during Combustion Process. Key Engineering Materials, 0, 851, 220-227.	0.4	0
42	The elemental composition changes of <i>Spirulina platensis</i> -synthetic waste mixture during the combustion analyzed by energy-dispersive x-ray. AIP Conference Proceedings, 2020, , .	0.3	0
43	Exploring the prospect of marine microalgae <i>Isochrysis galbana</i> as sustainable solid biofuel feedstock. Journal of Applied Research and Technology, 2019, 16, .	0.6	0
44	Scrutinizing the Prospect of <i>Cerbera manghas</i> Seed and Its De-oiled Cake for a Fuel: Physicochemical Properties and Thermal Behavior. Lecture Notes in Mechanical Engineering, 2020, , 427-435.	0.3	0
45	Exhaust gas emission and performance in diesel engine using diesel-biodiesel blends with orange essential oil bioadditive. AIP Conference Proceedings, 2021, , .	0.3	0
46	Analysis of corrosion rate, surface roughness, and microstructure of 48Cu-30Zn-18Nb brass alloy in sea water. AIP Conference Proceedings, 2021, , .	0.3	0