

Sukarni Sukarni

List of Publications by Year in descending order

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papers

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288
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Various Sintering Conditions on the Structural and Magnetic Properties of Zinc Ferrite (ZnFe ₂ O ₄). <i>Materials Research</i> , 2021, 24, .	0.6	12
2	Computational fluid dynamics heat transfer analysis of double pipe heat exchanger using nanofluid MnFe ₂ O ₄ with ethylene glycol/water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1034, 012065.	0.3	2
3	Physical properties and compressibility of quail eggshell nanopowder with heat treatment temperature variations. <i>Materials Research Express</i> , 2021, 8, 055008.	0.8	2
4	The Potential of Waste Cooking Oil B20 Biodiesel Fuel with Lemon Essential Oil Bioadditive: Physicochemical Properties, Molecular Bonding, and Fuel Consumption. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 555-564.	0.5	3
5	Exhaust gas emission and performance in diesel engine using diesel-biodiesel blends with orange essential oil bioadditive. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
6	Analysis of corrosion rate, surface roughness, and microstructure of 48Cu-30Zn-18Nb brass alloy in sea water. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
7	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
8	The fitting kinetic evaluation during co-pyrolysis of coal and water hyacinth (<i>Eichhornia crassipes</i>) to explore its potential for energy. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
9	Pyrolytic thermal decomposition behavior and kinetic parameters of <i>Tetraselmis chuii</i> microalgae. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
10	Investigation on kinetic parameters during combustion of <i>Tetraselmis chuii</i> microalgae under thermogravimetric analyzer. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
11	Investigation on kinetic and thermodynamic parameters of <i>Cerbera manghas</i> de-oiled seed as renewable energy during the pyrolysis process. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	5
12	The elemental composition changes of <i>Spirulina platensis</i> -synthetic waste mixture during the combustion analyzed by energy-dispersive x-ray. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
13	A Kinetic Study on <i>Tetraselmis chuii</i> Combustion: The Catalytic Impact of Nanoparticle Titanium Dioxide (TiO ₂) Additive. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 71, 39-49.	0.3	3
14	Scrutinizing the Prospect of <i>Cerbera manghas</i> Seed and Its De-oiled Cake for a Fuel: Physicochemical Properties and Thermal Behavior. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 427-435.	0.3	0
15	The Catalytic Impact of MnO Additive on the Selected Municipal Solid Waste Combustion Behavior Determined by Thermogravimetric Analysis. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 71, 50-59.	0.3	2
16	Convective heat transfer characteristics of TiO ₂ -EG nanofluid as coolant fluid in heat exchanger. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	20
17	Synthesis and characterization of CaO/CaCO ₃ from quail eggshell waste by solid state reaction process. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	16
18	Heat transfer enhancement using nanofluids (MnFe ₂ O ₄ -ethylene glycol) in mini heat exchanger shell and tube. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	15

#	ARTICLE	IF	CITATIONS
19	Mechanical properties of Al-Si alloy with nanoreinforced manganese oxide by stir casting method. AIP Conference Proceedings, 2019, , .	0.3	1
20	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
21	Performance of Anaerobic Baffled Reactor for Decentralized Wastewater Treatment in Urban Malang, Indonesia. Processes, 2019, 7, 184.	1.3	21
22	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
23	The Properties of Eggshell Powders with the Variation of Sintering Duration. IOP Conference Series: Materials Science and Engineering, 2019, 515, 012104.	0.3	9
24	Thermophysical Properties and Heat Transfer Performance of TiO ₂ -Distilled Water Nanofluid Using Shell and Tube Heat Exchanger. , 2019, , .		2
25	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
26	Experimental Investigation and Optimization of Floating Blade Water Wheel Turbine Performance Using Taguchi Method and Analysis of Variance (ANOVA). IOP Conference Series: Materials Science and Engineering, 2019, 515, 012086.	0.3	7
27	Thermogravimetric Analysis on Combustion Behavior of Marine Microalgae <i>Spirulina Platensis</i> Induced by MgCO ₃ and Al ₂ O ₃ Additives. International Journal of Technology, 2019, 10, 1174.	0.4	12
28	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
29	Thermal decomposition behavior of water hyacinth (<i>Eichhornia crassipes</i>) under an inert atmosphere. MATEC Web of Conferences, 2018, 204, 00010.	0.1	11
30	Experimental investigation of design parameters for laboratory scale Pelton wheel turbine using RSM. MATEC Web of Conferences, 2018, 204, 07019.	0.1	1
31	Kinetic analysis of co-combustion of microalgae <i>Spirulina platensis</i> and synthetic waste through the fitting model. MATEC Web of Conferences, 2018, 204, 00009.	0.1	5
32	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
33	Properties of MnO doped graphene synthesized by co-precipitation method. Functional Materials, 2018, 25, 802-808.	0.4	2
34	Exploring the prospect of marine microalgae <i>Isochrysis galbana</i> as sustainable solid biofuel feedstock. Journal of Applied Research and Technology, 2018, 16, .	0.6	16
35	Physicochemical characteristics of various inorganic combustible solid waste (ICSW) mixed as sustainable solid fuel. AIP Conference Proceedings, 2017, , .	0.3	10
36	Exploring the potential of municipal solid waste (MSW) as solid fuel for energy generation: Case study in the Malang City, Indonesia. AIP Conference Proceedings, 2016, , .	0.3	16

#	ARTICLE	IF	CITATIONS
37	The stucture of bioplastic from cassava starch with nanoclay reinforcement. AIP Conference Proceedings, 2016, , .	0.3	5
38	Thermogravimetric kinetic analysis of Nannochloropsis oculata combustion in air atmosphere. Frontiers in Energy, 2015, 9, 125-133.	1.2	28
39	Potential and properties of marine microalgae Nannochloropsis oculata as biomass fuel feedstock. International Journal of Energy and Environmental Engineering, 2014, 5, 279-290.	1.3	88
40	Physical and Chemical Properties of Water Hyacinth (<i>Eichhornia crassipes</i>) as a Sustainable Biofuel Feedstock. IOP Conference Series: Materials Science and Engineering, 0, 515, 012070.	0.3	16
41	Physicochemical Characteristics of Corn Silk as Biomass Fuel Feedstock. IOP Conference Series: Materials Science and Engineering, 0, 515, 012103.	0.3	3
42	Arrhenius Kinetic Analysis during Combustion of <i>Spirulina platensis</i> Microalgae. Key Engineering Materials, 0, 851, 142-148.	0.4	0
43	Thermal Characteristic of <i>Tetraselmis chuii</i> Combustion Influenced by Titanium Dioxide (TiO ₂) Nanoparticle. Key Engineering Materials, 0, 851, 149-155.	0.4	2
44	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
45	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
46	Effect of Additional MnFe ₂ O 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