

Ratna Frida Susanti

List of Publications by Year in descending order

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31
papers

725
citations

933447

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580821

25
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docs citations

31
times ranked

828
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Supercritical ethanol as an enhanced medium for lignocellulosic biomass liquefaction: Influence of physical process parameters. <i>Energy</i> , 2013, 59, 173-182. | 8.8 | 167 |
| 2 | High-yield hydrogen production from glucose by supercritical water gasification without added catalyst. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11677-11690. | 7.1 | 129 |
| 3 | Continuous supercritical water gasification of isooctane: A promising reactor design. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1957-1970. | 7.1 | 60 |
| 4 | Extended flat voltage profile of hard carbon synthesized using a two-step carbonization approach as an anode in sodium ion batteries. <i>Journal of Power Sources</i> , 2019, 430, 157-168. | 7.8 | 59 |
| 5 | High-yield hydrogen production by supercritical water gasification of various feedstocks: Alcohols, glucose, glycerol and long-chain alkanes. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1834-1844. | 5.6 | 56 |
| 6 | Activated carbon from citric acid catalyzed hydrothermal carbonization and chemical activation of salacca peel as potential electrode for lithium ion capacitor's cathode. <i>Ionics</i> , 2019, 25, 3915-3925. | 2.4 | 42 |
| 7 | Toward high-performance hard carbon as an anode for sodium-ion batteries: Demineralization of biomass as a critical step. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 317-329. | 5.8 | 36 |
| 8 | Noncatalytic gasification of isooctane in supercritical water: A Strategy for high-yield hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3895-3906. | 7.1 | 35 |
| 9 | Hydrothermal gasification of pure and crude glycerol in supercritical water: A comparative study. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1262-1273. | 7.1 | 29 |
| 10 | A new strategy for ultralow biofouling membranes: Uniform and ultrathin hydrophilic coatings using liquid carbon dioxide. <i>Journal of Membrane Science</i> , 2013, 440, 88-97. | 8.2 | 28 |
| 11 | Synthesis of high surface area activated carbon derived from cocoa pods husk by hydrothermal carbonization and chemical activation using zinc chloride as activating agent. <i>Materials Today: Proceedings</i> , 2022, 63, S55-S60. | 1.8 | 14 |
| 12 | Synthesis of activated carbon from salacca peel with hydrothermal carbonization for supercapacitor application. <i>Materials Today: Proceedings</i> , 2021, 44, 3268-3272. | 1.8 | 11 |
| 13 | Delignification, Carbonization Temperature and Carbonization Time Effects on the Hydrothermal Conversion of Salacca Peel. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7263-7268. | 0.9 | 10 |
| 14 | Continuous synthesis of high-surface-area aluminum hydroxide methoxide nano- and microparticles in supercritical methanol and their conversion into β -Al ₂ O ₃ . <i>Materials Letters</i> , 2011, 65, 772-774. | 2.6 | 9 |
| 15 | Rambutan peel derived porous carbons for lithium sulfur battery. <i>SN Applied Sciences</i> , 2021, 3, 1. | 2.9 | 8 |
| 16 | Non-oxidative thermal degradation of amines: GCMS/FTIR spectra analysis and molecular modeling. <i>Separation Science and Technology</i> , 2018, 53, 2259-2266. | 2.5 | 7 |
| 17 | Synthesis and Characterization of Activated Carbon Derived from Salacca Peel Using ZnCl ₂ Hydrothermal Carbonization and Chemical Activation with Microwave Heating. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 742, 012044. | 0.6 | 5 |
| 18 | Potato Peel Based Carbon-Sulfur Composite as Cathode Materials for Lithium Sulfur Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 6243-6247. | 0.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Onion Peel Based Porous Carbons As Cathode Components for LiS Battery. ECS Transactions, 2020, 97, 111-119. | 0.5 | 3 |
| 20 | Synthesis of activated carbon from Salacca peel using hydrothermal carbonization and microwave assisted chemical activation as promising supercapacitor's electrode. AIP Conference Proceedings, 2020, , . | 0.4 | 3 |
| 21 | Structural and preliminary electrochemical characteristics of palm oil based carbon nanospheres as anode materials in lithium ion batteries. Carbon Letters, 2016, 18, 80-83. | 5.9 | 3 |
| 22 | Cerium chloride-assisted subcritical water carbonization for fabrication of high-performance cathodes for lithium-ion capacitors. Journal of Applied Electrochemistry, 2021, 51, 1449-1462. | 2.9 | 2 |
| 23 | THE ROLE OF N-DOPING TO THE PORE CHARACTERISTICS OF ACTIVATED CARBON FROM VETIVER ROOT DISTILLATION WASTE. Metallurgi, 2021, 36, . | 0.2 | 2 |
| 24 | Preparation and Characterizations of Carbon Nanospheres Derived from Activated Carbons and Palm Oil as Anode Materials of Lithium Secondary Batteries. Journal of Nanoscience and Nanotechnology, 2015, 15, 9120-9124. | 0.9 | 1 |
| 25 | Synthesis of Carbon Nano Materials Originated from Waste Cooking Oil Using a Nebulized Spray Pyrolysis. Journal of Nanoscience and Nanotechnology, 2017, 17, 5839-5842. | 0.9 | 1 |
| 26 | Characterizations of Carbon Nanospheres Synthesized Using Activated Carbons and Palm Oil. Advanced Materials Research, 2015, 1112, 53-56. | 0.3 | 0 |
| 27 | Effect of Catalyst Preparation Method on the Characteristics of Carbon Nanospheres as Anode Materials of Lithium Secondary Batteries. Advanced Materials Research, 0, 1123, 308-311. | 0.3 | 0 |
| 28 | Synthesis of Turpentine Oil Based Carbon Nanospheres by Nebulized Spray Pyrolysis Method. Journal of Nanoscience and Nanotechnology, 2016, 16, 8701-8704. | 0.9 | 0 |
| 29 | Preparation of Kerosene Based Carbon Nanomaterials by Nebulized Spray Pyrolysis. Journal of Nanoscience and Nanotechnology, 2017, 17, 4275-4278. | 0.9 | 0 |
| 30 | Porous Carbon Derived from Salacca Peel Synthesized Under Hydrothermal Condition Followed By Microwave Assisted Chemical Activation As Lithium Ion Capacitor's Electrode. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 31 | Onion Peel Based Porous Carbons As Cathode Components for Lis Battery. ECS Meeting Abstracts, 2020, MA2020-01, 162-162. | 0.0 | 0 |