

Kiat Moon Lee

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Comparison of deep eutectic solvents (DES) on pretreatment of oil palm empty fruit bunch (OPEFB): Cellulose digestibility, structural and morphology changes. <i>Bioresource Technology</i> , 2019, 282, 525-529. | 4.8 | 73 |
| 2 | Enhanced cellulase accessibility using acid-based deep eutectic solvent in pretreatment of empty fruit bunches. <i>Cellulose</i> , 2019, 26, 9517-9528. | 2.4 | 43 |
| 3 | Continuous Butanol Fermentation of Dilute Acid-Pretreated De-oiled Rice Bran by <i>Clostridium acetobutylicum</i> YM1. <i>Scientific Reports</i> , 2019, 9, 4622. | 1.6 | 36 |
| 4 | Combination of ultrasonication and deep eutectic solvent in pretreatment of lignocellulosic biomass for enhanced enzymatic saccharification. <i>Cellulose</i> , 2021, 28, 1513-1526. | 2.4 | 36 |
| 5 | Synergistic ultrasound-assisted organosolv pretreatment of oil palm empty fruit bunches for enhanced enzymatic saccharification: An optimization study using artificial neural networks. <i>Biomass and Bioenergy</i> , 2020, 139, 105621. | 2.9 | 27 |
| 6 | Process optimization and performance evaluation on sequential ionic liquid dissolution–solid acid saccharification of sago waste. <i>Bioresource Technology</i> , 2013, 130, 1-7. | 4.8 | 19 |
| 7 | Effects of Organic Solvents on the Organosolv Pretreatment of Degraded Empty Fruit Bunch for Fractionation and Lignin Removal. <i>Sustainability</i> , 2021, 13, 6757. | 1.6 | 19 |
| 8 | Two-staged acid hydrolysis on ethylene glycol pretreated degraded oil palm empty fruit bunch for sugar based substrate recovery. <i>Bioresource Technology</i> , 2019, 292, 121967. | 4.8 | 18 |
| 9 | Evaluation of deep eutectic solvent pretreatment towards efficacy of enzymatic saccharification using multivariate analysis techniques. <i>Journal of Cleaner Production</i> , 2022, 360, 132239. | 4.6 | 18 |
| 10 | Ionic liquid-mediated solid acid saccharification of sago waste: Kinetic, ionic liquid recovery and solid acid catalyst reusability study. <i>Industrial Crops and Products</i> , 2015, 77, 415-423. | 2.5 | 16 |
| 11 | Comparison Study of Different Ionic Liquid Pretreatments in Maximizing Total Reducing Sugars Recovery. <i>BioResources</i> , 2013, 9, . | 0.5 | 10 |
| 12 | Multivariable power least squares method: Complementary tool for Response Surface Methodology. <i>Ain Shams Engineering Journal</i> , 2020, 11, 161-169. | 3.5 | 9 |
| 13 | Acidizing of conventional and tight sandstone formation using chelating agents: mineralogical prospect. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 3587-3599. | 1.2 | 7 |
| 14 | Numerical simulation on ultrasonic cavitation due to superposition of acoustic waves. <i>Materials Science for Energy Technologies</i> , 2020, 3, 593-600. | 1.0 | 6 |
| 15 | Interval type-2 fuzzy logic with Karmen–Mendel algorithm for sequential ionic liquid dissolution–solid acid saccharification. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1073-1081. | 1.6 | 5 |
| 16 | Delignification of oil palm empty fruit bunch via ultrasound-assisted deep eutectic solvent pretreatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012007. | 0.2 | 5 |
| 17 | On stability of time marching in numerical solutions of rayleigh-pleisset equation for ultrasonic cavitation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012117. | 0.2 | 4 |
| 18 | Delfim-Soares explicit time marching method for modelling of ultrasonic wave in microalgae pre-treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012106. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Assessment of Cellulosic Biomass Saccharification by Molten Brønsted Acidic 1-Ethyl-3-Methylimidazolium Hydrogen Sulphate ([EMIM][HSO ₄]) via Kinetic Studies. <i>BioResources</i> , 2015, 11, . | 0.5 | 1 |
| 20 | Dataset of alkaline ethylene glycol pretreatment and two-staged acid hydrolysis using oil palm empty fruit bunch. <i>Data in Brief</i> , 2020, 30, 105431. | 0.5 | 1 |
| 21 | Interaction of Wave-Induced Motion and Bioelectricity Generation for Floating Microalgal Biophotovoltaic System. <i>Lecture Notes in Civil Engineering</i> , 2021, , 266-273. | 0.3 | 1 |
| 22 | Modified Meta-Heuristic Bee Colony Optimisation in the Polymerization of Propylene. , 2018, , . | | 0 |
| 23 | Forecasting greenhouse gas emissions from coal-based resource in power plant using a non-supervised artificial neural network. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012184. | 0.2 | 0 |
| 24 | Dynamic behaviours of damaged stability for floating energy storage unit after accidental collision. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012110. | 0.2 | 0 |
| 25 | Self-made electromagnetic vibration energy harvester of different stroke length and number of coil turns. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012109. | 0.2 | 0 |
| 26 | Effects of TiO ₂ Support and Cobalt Addition of Ni/TiO ₂ Catalyst in Selective Hydrogenation of Furfural to Furfuryl Alcohol. <i>Journal of Renewable Materials</i> , 2022, 10, 2055-2072. | 1.1 | 0 |