

Shulin Chen

List of Publications by Year in descending order

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263
papers

14,465
citations

11608

70
h-index

28224

105
g-index

268
all docs

268
docs citations

268
times ranked

13801
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Progress toward a bicarbonate-based microalgae production system. <i>Trends in Biotechnology</i> , 2022, 40, 180-193. | 4.9 | 37 |
| 2 | Systematic evaluation of fractionation and valorization of lignocellulose via two-stage hydrothermal liquefaction. <i>Fuel</i> , 2022, 310, 122358. | 3.4 | 10 |
| 3 | Biorefinery Processing of Waste to Supply Cost-Effective and Sustainable Inputs for Two-Stage Microalgal Cultivation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1485. | 1.3 | 1 |
| 4 | A kinetic model of heterotrophic and mixotrophic cultivation of the potential biofuel organism microalgae <i>Chlorella sorokiniana</i> . <i>Algal Research</i> , 2022, 64, 102701. | 2.4 | 14 |
| 5 | Re-Programming Glucose Catabolism in the Microalga <i>Chlorella sorokiniana</i> under Light Condition. <i>Biomolecules</i> , 2022, 12, 939. | 1.8 | 4 |
| 6 | Recovering Valuable Bioactive Compounds from Potato Peels with Sequential Hydrothermal Extraction. <i>Waste and Biomass Valorization</i> , 2021, 12, 1465-1481. | 1.8 | 29 |
| 7 | Hydrothermal liquefaction conversion of lignocelluloses with enhanced fungal pretreatment. <i>Industrial Crops and Products</i> , 2021, 162, 113268. | 2.5 | 21 |
| 8 | Challenges and Potential in Increasing Lutein Content in Microalgae. <i>Microorganisms</i> , 2021, 9, 1068. | 1.6 | 28 |
| 9 | Converting lignin into long-chain fatty acids with the electro-Fenton reaction. <i>GCB Bioenergy</i> , 2021, 13, 1290-1302. | 2.5 | 12 |
| 10 | A comprehensive study of the promoting effect of manganese on white rot fungal treatment for enzymatic hydrolysis of woody and grass lignocellulose. <i>Biotechnology for Biofuels</i> , 2021, 14, 176. | 6.2 | 10 |
| 11 | Metabolic Engineering of Non-carotenoid-Producing Yeast <i>Yarrowia lipolytica</i> for the Biosynthesis of Zeaxanthin. <i>Frontiers in Microbiology</i> , 2021, 12, 699235. | 1.5 | 11 |
| 12 | Enhancement of linoleic acid content stimulates astaxanthin esterification in <i>Coelastrum</i> sp.. <i>Bioresource Technology</i> , 2020, 300, 122649. | 4.8 | 16 |
| 13 | Comparative techno-economic analysis of algal biofuel production via hydrothermal liquefaction: One stage versus two stages. <i>Applied Energy</i> , 2020, 259, 114115. | 5.1 | 40 |
| 14 | Mechanistic studies of milled and Kraft lignin oxidation by radical species. <i>Green Chemistry</i> , 2020, 22, 1182-1197. | 4.6 | 41 |
| 15 | Transcriptome analysis of <i>Haematococcus pluvialis</i> of multiple defensive systems against nitrogen starvation. <i>Enzyme and Microbial Technology</i> , 2020, 134, 109487. | 1.6 | 31 |
| 16 | Delignification and Enzyme-Diffusion Kinetics of Radical Systems Treating Wheat Straw. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20656-20666. | 1.8 | 1 |
| 17 | Recycling of Nutrients from Dairy Wastewater by Extremophilic Microalgae with High Ammonia Tolerance. <i>Environmental Science & Technology</i> , 2020, 54, 15366-15375. | 4.6 | 41 |
| 18 | Electro-Fenton Based Technique to Enhance Cell Harvest and Lipid Extraction from Microalgae. <i>Energies</i> , 2020, 13, 3813. | 1.6 | 9 |

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|----|---|-----|-----------|
| 19 | Metabolic Engineering of Oleaginous Yeast <i>Yarrowia lipolytica</i> for Overproduction of Fatty Acids. <i>Frontiers in Microbiology</i> , 2020, 11, 1717. | 1.5 | 20 |
| 20 | Expanding Toolbox for Genes Expression of <i>Yarrowia lipolytica</i> to Include Novel Inducible, Repressible, and Hybrid Promoters. <i>ACS Synthetic Biology</i> , 2020, 9, 2208-2213. | 1.9 | 28 |
| 21 | Effects of increasing organic loading rates on reactor performance and the methanogenic community in a new pilot upflow solid reactor for continuously processing food waste. <i>Renewable Energy</i> , 2020, 153, 420-429. | 4.3 | 5 |
| 22 | Effects of Methanol on Carotenoids as Well as Biomass and Fatty Acid Biosynthesis in <i>Schizochytrium limacinum</i> B4D1. <i>Applied and Environmental Microbiology</i> , 2019, 85, . | 1.4 | 41 |
| 23 | Lysine Mutation of the Claw-Arm-Like Loop Accelerates Catalysis by Cellobiohydrolases. <i>Journal of the American Chemical Society</i> , 2019, 141, 14451-14459. | 6.6 | 17 |
| 24 | Facilitated methanogenesis involved in anaerobic digestion of dairy manure by soil. <i>Journal of Cleaner Production</i> , 2019, 236, 117640. | 4.6 | 4 |
| 25 | Growth characteristics and photofermentative biohydrogen production potential of purple non sulfur bacteria from sugar cane bagasse. <i>Fuel</i> , 2019, 255, 115805. | 3.4 | 34 |
| 26 | Effects of gluconate on biomass improvement and light stress tolerance of <i>Haematococcus pluvialis</i> in mixotrophic culture. <i>Algal Research</i> , 2019, 43, 101647. | 2.4 | 18 |
| 27 | Multilevel heuristic LED regime for stimulating lipid and bioproducts biosynthesis in <i>Haematococcus pluvialis</i> under mixotrophic conditions. <i>Bioresource Technology</i> , 2019, 288, 121525. | 4.8 | 24 |
| 28 | Recovery of Polyphenols from Grape Pomace Using Polyethylene Glycol (PEG)-Grafted Silica Particles and PEG-Assisted Cosolvent Elution. <i>Molecules</i> , 2019, 24, 2199. | 1.7 | 7 |
| 29 | Exploiting mixotrophy for improving productivities of biomass and co-products of microalgae. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 450-460. | 8.2 | 96 |
| 30 | Effect of reactive oxygen species on biomass structure in different oxidative processes. <i>Industrial Crops and Products</i> , 2019, 137, 484-494. | 2.5 | 32 |
| 31 | pH shaped kinetic characteristics and microbial community of food waste hydrolysis and acidification. <i>Biochemical Engineering Journal</i> , 2019, 146, 52-59. | 1.8 | 33 |
| 32 | Closing ammonia loop in efficient biogas production: Recycling ammonia pretreatment of wheat straw. <i>Biosystems Engineering</i> , 2019, 180, 182-190. | 1.9 | 24 |
| 33 | Regulation and stimulation of photosynthesis of mixotrophically cultured <i>Haematococcus pluvialis</i> by ribose. <i>Algal Research</i> , 2019, 39, 101443. | 2.4 | 21 |
| 34 | Duckweed (<i>Lemna minor</i>) is a novel natural inducer of cellulase production in <i>Trichoderma reesei</i> . <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 486-491. | 1.1 | 16 |
| 35 | Hydrothermal Catalytic Deoxygenation of Fatty Acid and Bio-oil with In Situ H_2 . <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4521-4530. | 3.2 | 40 |
| 36 | Persulfate oxidizing system for biomass pretreatment and process optimization. <i>Biomass and Bioenergy</i> , 2018, 116, 249-258. | 2.9 | 30 |

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|----|--|-----|-----------|
| 37 | Neural Network Prediction of Corn Stover Saccharification Based on Its Structural Features. <i>BioMed Research International</i> , 2018, 2018, 1-7. | 0.9 | 3 |
| 38 | Phospholipase A1-Catalysed Synthesis of Docosahexaenoic Acid-Enriched Phosphatidylcholine in Reverse Micelles System. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 1037-1052. | 1.4 | 22 |
| 39 | Parameterization of a light distribution model for green cell growth of microalgae: <i>Haematococcus pluvialis</i> cultured under red LED lights. <i>Algal Research</i> , 2017, 23, 20-27. | 2.4 | 15 |
| 40 | Importance of "weak-base" poplar wastes to process performance and methane yield in solid-state anaerobic digestion. <i>Journal of Environmental Management</i> , 2017, 193, 423-429. | 3.8 | 15 |
| 41 | Advances in modifying lignin structures for largely enhancing high-lignin biomass saccharification. <i>Process Biochemistry</i> , 2017, 57, 175-180. | 1.8 | 7 |
| 42 | Sequential Hydrothermal Liquefaction characterization and nutrient recovery assessment. <i>Algal Research</i> , 2017, 25, 274-284. | 2.4 | 35 |
| 43 | Effects of butanol on high value product production in <i>Schizochytrium limacinum</i> B4D1. <i>Enzyme and Microbial Technology</i> , 2017, 102, 9-15. | 1.6 | 39 |
| 44 | Effects of C5 organic carbon and light on growth and cell activity of <i>Haematococcus pluvialis</i> under mixotrophic conditions. <i>Algal Research</i> , 2017, 21, 227-235. | 2.4 | 44 |
| 45 | Recycling nutrients from a sequential hydrothermal liquefaction process for microalgae culture. <i>Algal Research</i> , 2017, 27, 311-317. | 2.4 | 34 |
| 46 | Genome sequence of <i>Talaromyces piceus</i> 9-3 provides insights into lignocellulose degradation. <i>3 Biotech</i> , 2017, 7, 368. | 1.1 | 6 |
| 47 | Selection of <i>Schizochytrium limacinum</i> mutants based on butanol tolerance. <i>Electronic Journal of Biotechnology</i> , 2017, 30, 58-63. | 1.2 | 14 |
| 48 | Simultaneous ammonia stripping and anaerobic digestion for efficient thermophilic conversion of dairy manure at high solids concentration. <i>Energy</i> , 2017, 141, 179-188. | 4.5 | 36 |
| 49 | UP Finder: A COBRA toolbox extension for identifying gene overexpression strategies for targeted overproduction. <i>Metabolic Engineering Communications</i> , 2017, 5, 54-59. | 1.9 | 5 |
| 50 | Regulation of the Docosapentaenoic Acid/Docosahexaenoic Acid Ratio (DPA/DHA Ratio) in <i>Schizochytrium limacinum</i> B4D1. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 67-81. | 1.4 | 27 |
| 51 | From plastics to jet fuel range alkanes via combined catalytic conversions. <i>Fuel</i> , 2017, 188, 28-38. | 3.4 | 52 |
| 52 | Combinatorial Engineering of <i>Yarrowia lipolytica</i> as a Promising Cell Biorefinery Platform for the de novo Production of Multi-Purpose Long Chain Dicarboxylic Acids. <i>Fermentation</i> , 2017, 3, 40. | 1.4 | 19 |
| 53 | A novel and simple approach to the good process performance of methane recovery from lignocellulosic biomass alone. <i>Biotechnology for Biofuels</i> , 2016, 9, 115. | 6.2 | 14 |
| 54 | Preparation of stable microcapsules from disrupted cell of <i>Haematococcus pluvialis</i> by spray drying. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1834-1843. | 1.3 | 14 |

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|----|---|-----|-----------|
| 55 | Biochemical characterization of a novel feruloyl esterase from <i>Penicillium piceum</i> and its application in biomass bioconversion. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S388-S394. | 1.8 | 12 |
| 56 | Effect of highly branched hyphal morphology on the enhanced production of cellulase in <i>Trichoderma reesei</i> DES-15. <i>3 Biotech</i> , 2016, 6, 214. | 1.1 | 18 |
| 57 | Catalytic co-pyrolysis of lignocellulosic biomass with polymers: a critical review. <i>Green Chemistry</i> , 2016, 18, 4145-4169. | 4.6 | 362 |
| 58 | Exploring fatty alcohol-producing capability of <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 107. | 6.2 | 66 |
| 59 | CAH1 and CAH2 as key enzymes required for high bicarbonate tolerance of a novel microalga <i>Dunaliella salina</i> HTBS. <i>Enzyme and Microbial Technology</i> , 2016, 87-88, 17-23. | 1.6 | 15 |
| 60 | Solubilization of lignin in copolymer micelles in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 503, 1-10. | 2.3 | 7 |
| 61 | Effect of malate on docosahexaenoic acid production from <i>Schizochytrium</i> sp. B4D1. <i>Electronic Journal of Biotechnology</i> , 2016, 19, 56-60. | 1.2 | 30 |
| 62 | Engineering of an L-arabinose metabolic pathway in <i>Rhodococcus jostii</i> RHA1 for biofuel production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1017-1025. | 1.4 | 12 |
| 63 | Enhancement of jet fuel range alkanes from co-feeding of lignocellulosic biomass with plastics via tandem catalytic conversions. <i>Applied Energy</i> , 2016, 173, 418-430. | 5.1 | 130 |
| 64 | Optimizing carbon efficiency of jet fuel range alkanes from cellulose co-fed with polyethylene via catalytically combined processes. <i>Bioresource Technology</i> , 2016, 214, 45-54. | 4.8 | 48 |
| 65 | Metabolic engineering of enhanced glycerol-3-phosphate synthesis to increase lipid production in <i>Synechocystis</i> sp. PCC 6803. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6091-6101. | 1.7 | 24 |
| 66 | Consolidated bioprocessing of microalgal biomass to carboxylates by a mixed culture of cow rumen bacteria using anaerobic sequencing batch reactor (ASBR). <i>Bioresource Technology</i> , 2016, 222, 517-522. | 4.8 | 12 |
| 67 | Thermal behavior and kinetic study for catalytic co-pyrolysis of biomass with plastics. <i>Bioresource Technology</i> , 2016, 220, 233-238. | 4.8 | 149 |
| 68 | Engineering levoglucosan metabolic pathway in <i>Rhodococcus jostii</i> RHA1 for lipid production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1551-1560. | 1.4 | 32 |
| 69 | Assessment of photosynthesis regulation in mixotrophically cultured microalga <i>Chlorella sorokiniana</i> . <i>Algal Research</i> , 2016, 19, 30-38. | 2.4 | 44 |
| 70 | Pretreating cellulases with hydrophobins for improving bioconversion of cellulose: an experimental and computational study. <i>Green Chemistry</i> , 2016, 18, 6666-6674. | 4.6 | 8 |
| 71 | Effects of extracellular proteome on wheat straw pretreatment during solid-state fermentation of <i>Phlebia radiata</i> ATCC 64658. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 36-44. | 1.9 | 12 |
| 72 | Physicochemical Properties and Storage Stability of Microencapsulated DHA-Rich Oil with Different Wall Materials. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 1129-1142. | 1.4 | 27 |

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|----|--|-----|-----------|
| 73 | Development of a catalytically green route from diverse lignocellulosic biomasses to high-density cycloalkanes for jet fuels. <i>Catalysis Science and Technology</i> , 2016, 6, 4210-4220. | 2.1 | 28 |
| 74 | Hydrothermal catalytic deoxygenation of palmitic acid over nickel catalyst. <i>Fuel</i> , 2016, 166, 302-308. | 3.4 | 110 |
| 75 | Hydroxyl radical-aided thermal pretreatment of algal biomass for enhanced biodegradability. <i>Biotechnology for Biofuels</i> , 2015, 8, 194. | 6.2 | 36 |
| 76 | Protein disulfide isomerase homolog TrPDI2 contributing to cellobiohydrolase production in <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2015, 77, 21-28. | 1.6 | 13 |
| 77 | A ¹³ C CP/MAS-Based Nondegradative Method for Lignin Content Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 153-162. | 3.2 | 19 |
| 78 | Structural characterization of lignin: A potential source of antioxidants guaiacol and 4-vinylguaiacol. <i>International Journal of Biological Macromolecules</i> , 2015, 75, 58-66. | 3.6 | 160 |
| 79 | Regulation of starch and lipid accumulation in a microalga <i>Chlorella sorokiniana</i> . <i>Bioresource Technology</i> , 2015, 180, 250-257. | 4.8 | 110 |
| 80 | Screening of ligninolytic fungi for biological pretreatment of lignocellulosic biomass. <i>Canadian Journal of Microbiology</i> , 2015, 61, 745-752. | 0.8 | 12 |
| 81 | Simulation of the ozone pretreatment of wheat straw. <i>Bioresource Technology</i> , 2015, 196, 78-87. | 4.8 | 41 |
| 82 | Biochar of corn stover: Microwave-assisted pyrolysis condition induced changes in surface functional groups and characteristics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 149-156. | 2.6 | 102 |
| 83 | Mitochondria thioredoxin's backup role in oxidative stress resistance in <i>Trichoderma reesei</i> . <i>Microbiological Research</i> , 2015, 171, 32-38. | 2.5 | 8 |
| 84 | Computer-Assisted Rational Modifications to Improve the Thermostability of β -Glucosidase from <i>Penicillium piceum</i> H16. <i>Bioenergy Research</i> , 2015, 8, 1384-1390. | 2.2 | 29 |
| 85 | Enhanced hydrolysis of <i>Macrocystis pyrifera</i> by integrated hydroxyl radicals and hot water pretreatment. <i>Bioresource Technology</i> , 2015, 179, 490-496. | 4.8 | 21 |
| 86 | Ammonia recovery from anaerobic digester effluent through direct aeration. <i>Chemical Engineering Journal</i> , 2015, 279, 31-37. | 6.6 | 75 |
| 87 | Mechanism, kinetics and microbiology of inhibition caused by long-chain fatty acids in anaerobic digestion of algal biomass. <i>Biotechnology for Biofuels</i> , 2015, 8, 141. | 6.2 | 116 |
| 88 | Selective esterification to produce microalgal biodiesel and enrich polyunsaturated fatty acid using zeolite as a catalyst. <i>RSC Advances</i> , 2015, 5, 84894-84900. | 1.7 | 18 |
| 89 | From lignocellulosic biomass to renewable cycloalkanes for jet fuels. <i>Green Chemistry</i> , 2015, 17, 4736-4747. | 4.6 | 61 |
| 90 | Direct quantification of fatty acids in wet microalgal and yeast biomass via a rapid in situ fatty acid methyl ester derivatization approach. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10237-10247. | 1.7 | 28 |

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|-----|--|-----|-----------|
| 91 | Production of renewable jet fuel range alkanes and aromatics via integrated catalytic processes of intact biomass. <i>Fuel</i> , 2015, 160, 375-385. | 3.4 | 41 |
| 92 | Two-step microalgal biodiesel production using acidic catalyst generated from pyrolysis-derived bio-char. <i>Energy Conversion and Management</i> , 2015, 105, 1389-1396. | 4.4 | 91 |
| 93 | Mutagenesis and evaluation of cellulase properties and cellulose hydrolysis of <i>Talaromyces piceus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1811-1819. | 1.7 | 8 |
| 94 | Investigations on cell disruption of oleaginous microorganisms: Hydrochloric acid digestion is an effective method for lipid extraction. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 730-737. | 1.0 | 67 |
| 95 | Characterization of the Interactions between Polyethylene Glycol and Cellulase during the Hydrolysis of Lignocellulose. <i>Bioenergy Research</i> , 2015, 8, 270-278. | 2.2 | 17 |
| 96 | Effects of lignin modification on wheat straw cell wall deconstruction by <i>Phanerochaete chrysosporium</i> . <i>Biotechnology for Biofuels</i> , 2014, 7, 161. | 6.2 | 24 |
| 97 | Induction of D-xylose uptake and expression of NAD(P)H-linked xylose reductase and NADP + -linked xylitol dehydrogenase in the oleaginous microalga <i>Chlorella sorokiniana</i> . <i>Biotechnology for Biofuels</i> , 2014, 7, 125. | 6.2 | 8 |
| 98 | <i>Yarrowia lipolytica</i> as an Oleaginous Cell Factory Platform for Production of Fatty Acid-Based Biofuel and Bioproducts. <i>Frontiers in Energy Research</i> , 2014, 2, . | 1.2 | 93 |
| 99 | SWAT modeling with uncertainty and cluster analyses of tillage impacts on hydrological processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 225-238. | 1.9 | 19 |
| 100 | Isolation, characterization, and validation of oleaginous, multi-trophic, and haloalkaline-tolerant microalgae for two-stage cultivation. <i>Algal Research</i> , 2014, 4, 2-11. | 2.4 | 33 |
| 101 | Selection of Microalgae and Cyanobacteria Strains for Bicarbonate-Based Integrated Carbon Capture and Algae Production System. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 447-457. | 1.4 | 58 |
| 102 | Improved lipid accumulation by morphology engineering of oleaginous fungus <i>Mortierella isabellina</i> . <i>Biotechnology and Bioengineering</i> , 2014, 111, 1758-1766. | 1.7 | 41 |
| 103 | Construction of a constitutively expressed homo-fermentative pathway in <i>Lactobacillus brevis</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6641-6650. | 1.7 | 11 |
| 104 | Enhancing Biogas Production from Anaerobically Digested Wheat Straw Through Ammonia Pretreatment. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 576-582. | 1.7 | 33 |
| 105 | Co-utilization of glucose, xylose and cellobiose by the oleaginous yeast <i>Cryptococcus curvatus</i> . <i>Biomass and Bioenergy</i> , 2014, 71, 340-349. | 2.9 | 53 |
| 106 | <i>Trpa1</i> , a pH response transcription regulator, is involved in cellulase gene expression in <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2014, 67, 17-26. | 1.6 | 79 |
| 107 | Bacterial community in the intestine of the sea urchin <i>Strongylocentrotus intermedius</i> during digestion of <i>Macrocystis pyrifera</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 2014, 47, 117-127. | 0.4 | 6 |
| 108 | How could haloalkaliphilic microorganisms contribute to biotechnology?. <i>Canadian Journal of Microbiology</i> , 2014, 60, 717-727. | 0.8 | 41 |

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|-----|---|-----|-----------|
| 109 | Hydrocarbon and hydrogen-rich syngas production by biomass catalytic pyrolysis and bio-oil upgrading over biochar catalysts. <i>RSC Advances</i> , 2014, 4, 10731-10737. | 1.7 | 122 |
| 110 | Liquidâ€“Liquid Extraction of Biomass Pyrolysis Bio-oil. <i>Energy & Fuels</i> , 2014, 28, 1207-1212. | 2.5 | 84 |
| 111 | Aromatic hydrocarbons production from ex situ catalysis of pyrolysis vapor over Zinc modified ZSM-5 in a packed-bed catalysis coupled with microwave pyrolysis reactor. <i>Fuel</i> , 2014, 129, 78-85. | 3.4 | 93 |
| 112 | Efficient anaerobic digestion of whole microalgae and lipid-extracted microalgae residues for methane energy production. <i>Bioresource Technology</i> , 2014, 161, 423-430. | 4.8 | 136 |
| 113 | Effect of earlier unfolded protein response and efficient protein disposal system on cellulase production in <i>Rut C30</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2587-2595. | 1.7 | 14 |
| 114 | Mixotrophic cultivation of a <i>Chlorella sorokiniana</i> strain for enhanced biomass and lipid production. <i>Biomass and Bioenergy</i> , 2014, 66, 204-213. | 2.9 | 196 |
| 115 | Effect of lignocellulose degradation products on microbial biomass and lipid production by the oleaginous yeast <i>Cryptococcus curvatus</i> . <i>Process Biochemistry</i> , 2014, 49, 457-465. | 1.8 | 60 |
| 116 | Enhancing volatile fatty acid (VFA) and bio-methane production from lawn grass with pretreatment. <i>Bioresource Technology</i> , 2014, 162, 243-249. | 4.8 | 60 |
| 117 | Sequential hydrothermal fractionation of yeast <i>Cryptococcus curvatus</i> biomass. <i>Bioresource Technology</i> , 2014, 164, 106-112. | 4.8 | 39 |
| 118 | Kinetic studies on batch cultivation of <i>Trichoderma reesei</i> and application to enhance cellulase production by fed-batch fermentation. <i>Journal of Biotechnology</i> , 2013, 166, 192-197. | 1.9 | 62 |
| 119 | Bicarbonate-based Integrated Carbon Capture and Algae Production System with alkalihalophilic cyanobacterium. <i>Bioresource Technology</i> , 2013, 133, 513-521. | 4.8 | 94 |
| 120 | Purification and characterization of a new β -glucosidase from <i>Penicillium piceum</i> and its application in enzymatic degradation of delignified corn stover. <i>Bioresource Technology</i> , 2013, 147, 658-661. | 4.8 | 42 |
| 121 | Kinetics of psychrophilic anaerobic sequencing batch reactor treating flushed dairy manure. <i>Bioresource Technology</i> , 2013, 131, 6-12. | 4.8 | 48 |
| 122 | Thermal behaviour and kinetic study for woody biomass torrefaction and torrefied biomass pyrolysis by TGA. <i>Biosystems Engineering</i> , 2013, 116, 420-426. | 1.9 | 121 |
| 123 | Two-step in situ biodiesel production from microalgae with high free fatty acid content. <i>Bioresource Technology</i> , 2013, 136, 8-15. | 4.8 | 124 |
| 124 | Characterization of lignin derived from water-only flowthrough pretreatment of <i>Miscanthus</i> . <i>Industrial Crops and Products</i> , 2013, 50, 391-399. | 2.5 | 45 |
| 125 | Lignocellulosic biomass as a carbohydrate source for lipid production by <i>Mortierella isabellina</i> . <i>Bioresource Technology</i> , 2013, 128, 385-391. | 4.8 | 80 |
| 126 | Effect of pH on cellulase production and morphology of <i>Trichoderma reesei</i> and the application in cellulosic material hydrolysis. <i>Journal of Biotechnology</i> , 2013, 168, 470-477. | 1.9 | 80 |

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|-----|---|-----|-----------|
| 127 | Photo-biohydrogen production potential of <i>Rhodobacter capsulatus</i> -PK from wheat straw. <i>Biotechnology for Biofuels</i> , 2013, 6, 144. | 6.2 | 36 |
| 128 | Evaluation of a soil greenhouse gas emission model based on Bayesian inference and MCMC: Model uncertainty. <i>Ecological Modelling</i> , 2013, 253, 97-106. | 1.2 | 17 |
| 129 | Tetramethylammonium Hydroxide (TMAH) Thermochemolysis for Probing in Situ Softwood Lignin Modification in Each Gut Segment of the Termite. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1299-1308. | 2.4 | 12 |
| 130 | Aromatic hydrocarbons production from packed-bed catalysis coupled with microwave pyrolysis of Douglas fir sawdust pellets. <i>RSC Advances</i> , 2013, 3, 14609. | 1.7 | 28 |
| 131 | Varied lignin disruption mechanisms for different biomass substrates in lower termite. <i>Renewable Energy</i> , 2013, 50, 1060-1064. | 4.3 | 12 |
| 132 | Multiphase modeling of settling and suspension in anaerobic digester. <i>Applied Energy</i> , 2013, 111, 28-39. | 5.1 | 29 |
| 133 | Performances of anaerobic co-digestion of fruit & vegetable waste (FVW) and food waste (FW): Single-phase vs. two-phase. <i>Bioresource Technology</i> , 2013, 144, 80-85. | 4.8 | 290 |
| 134 | Evaluation of a soil greenhouse gas emission model based on Bayesian inference and MCMC: Parameter identifiability and equifinality. <i>Ecological Modelling</i> , 2013, 253, 107-116. | 1.2 | 6 |
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