

Malinee Sriariyanun

List of Publications by Year in descending order

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99
papers

3,652
citations

331670

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144013

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docs citations

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times ranked

3828
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the effect of low-concentrated protic ionic liquids (PILs) on coconut (Cocos) Tj ETQq1 1 0.784314 rgBT /Overlock 10 105	4.6	5
2	Improvement of lignocellulosic pretreatment efficiency by combined chemo - Mechanical pretreatment for energy consumption reduction and biofuel production. Renewable Energy, 2022, 182, 1094-1102.	8.9	29
3	Antibacterial activity in gelatin-bacterial cellulose composite film by thermally crosslinking with cinnamaldehyde towards food packaging application. Food Packaging and Shelf Life, 2022, 31, 100766.	7.5	45
4	Characterization of biologically active compounds from different herbs: Influence of drying and extraction methods. Journal of the Indian Chemical Society, 2022, 99, 100297.	2.8	9
5	Ionic liquid assisted pretreatment to improve cellulose fractionation of lignocellulosic biomass. , 2022, , 75-99.		6
6	Cellulose-based blends and composites. , 2022, , 87-122.		1
7	One-Pot Ionic Liquid-Mediated Bioprocess for Pretreatment and Enzymatic Hydrolysis of Rice Straw with Ionic Liquid-Tolerance Bacterial Cellulase. Bioengineering, 2022, 9, 17.	3.5	31
8	Hydrothermal pretreatment optimization and deep eutectic solvent pretreatment of lignocellulosic biomass: An integrated approach. Bioresource Technology Reports, 2022, 17, 100957.	2.7	17
9	Combined effect of hot water and deep eutectic solvent (DES) pretreatment on a lignocellulosic biomass mixture for improved saccharification efficiency. Bioresource Technology Reports, 2022, 17, 100986.	2.7	14
10	Sustainable Development and Progress of Lignocellulose Conversion to Platform Chemicals. The Journal of King Mongkut S University of Technology North Bangkok, 2022, 32, .	0.0	2
11	Recent Trends and Updates for Chemical Pretreatment of Lignocellulosic Biomass. Applied Science and Engineering Progress, 2022, , .	0.8	5
12	Improvement of Enzymatic Saccharification and Ethanol Production from Rice Straw Using Recycled Ionic Liquid: The Effect of Anti-Solvent Mixture. Bioengineering, 2022, 9, 115.	3.5	19
13	Performance Evaluation of Combined Hydrothermal-Mechanical Pretreatment of Lignocellulosic Biomass for Enzymatic Enhancement. Polymers, 2022, 14, 2313.	4.5	17
14	Nonlinear Optimization-Based Robust Control Approach for a Two-Stage Anaerobic Digestion Process. Journal of Chemistry, 2022, 2022, 1-18.	1.9	3
15	Optimization of Enzyme Assisted Extraction of Chondroitin Sulfate from <i>Bohadschia argus</i> by Response Surface Methodology. E3S Web of Conferences, 2021, 302, 02012.	0.5	3
16	Model Predictive Control of a Fed-Batch Enzymatic Hydrolysis Reactor for Processing Lignocellulosic Feedstock. Lecture Notes in Networks and Systems, 2021, , 257-266.	0.7	0
17	Effect of sodium hydroxide pretreatment on released sugar yields from pomelo peels for biofuel production. E3S Web of Conferences, 2021, 302, 02015.	0.5	6
18	Enhancement of PHB Production Process in a Fed-batch Bioreactor Using Input-output Linearization Technique with Optimal Setpoints. Applied Science and Engineering Progress, 2021, 14, .	0.8	3

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19	Evaluation of rice straw biopowder from alkaline-mechanical pretreatment by hydro-textural approach. <i>Bioresource Technology</i> , 2021, 323, 124619.	9.6	18
20	Bioethanol Production by <i>Pichia stipitis</i> Immobilized on Water Hyacinth and Thin-Shell Silk Cocoon. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	2
21	Effects of Inorganic Salts on Enzymatic Saccharification Kinetics of Lignocellulosic Biomass for Biofuel Production. , 2021, , .		1
22	Production of Food Flavouring Agents by Enzymatic Reaction and Microbial Fermentation. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	5
23	Differential effects of inorganic salts on cellulase kinetics in enzymatic saccharification of cellulose and lignocellulosic biomass. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2331-2344.	3.4	9
24	Plant-Microbe Interactions - Insights and Views for Applications in Sustainable Agriculture. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	1
25	Influence of Sulfuric Acid Pretreatment and Inhibitor of Sugarcane Bagasse on the Production of Fermentable Sugar and Ethanol. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	15
26	Poly- and Per-fluoroalkyl Substances (PFAS) in Water Environment. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	0
27	Microencapsulation of Curcumin in Crosslinked Jelly Fig Pectin Using Vacuum Spray Drying Technique for Effective Drug Delivery. <i>Polymers</i> , 2021, 13, 2583.	4.5	15
28	Effect of dewaxing on saccharification and ethanol production from different lignocellulosic biomass. <i>Bioresource Technology</i> , 2021, 339, 125596.	9.6	23
29	Comparative evaluation of DNA extraction from rice's root-associated bacterial consortium for population structure study. <i>E3S Web of Conferences</i> , 2021, 302, 02014.	0.5	0
30	Improvement of potassium permanganate pretreatment by enzymatic saccharification of rice straw for production of biofuels. <i>E3S Web of Conferences</i> , 2021, 302, 02013.	0.5	5
31	Utilization of RS-3 Rice Starch into Development of Food for Elderly: A Ready-to-mix Beverage Case. <i>E3S Web of Conferences</i> , 2021, 302, 02003.	0.5	0
32	Interferences of Waxes on Enzymatic Saccharification and Ethanol Production from Lignocellulose Biomass. <i>Bioengineering</i> , 2021, 8, 171.	3.5	11
33	Differential Influence of Imidazolium Ionic Liquid on Cellulase Kinetics in Saccharification of Cellulose and Lignocellulosic Biomass Substrate. <i>Applied Science and Engineering Progress</i> , 2021, , .	0.8	6
34	Chemical Profiles of Herbal Compress and Their Persistence Affected by Steaming and Storage Time. <i>Journal of Chemistry</i> , 2021, 2021, 1-10.	1.9	1
35	Impact of sulfuric acid pretreatment of durian peel on the production of fermentable sugar and ethanol. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100264.	2.8	17
36	Model-Based Control for Fed-Batch Enzymatic Hydrolysis Reactor of Lignocellulosic Biomass. , 2020, , .		2

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37	Antioxidant Activities of Centella asiatica Extract-loaded Bovine Serum Albumin Nanoparticles in Simulated Gastrointestinal System Study. E3S Web of Conferences, 2020, 141, 03001.	0.5	0
38	Reverse Transcription Loop-Mediated Isothermal Amplification (RT-LAMP) Assay for the Specific and Rapid Detection of Tilapia Lake Virus. Journal of Visualized Experiments, 2020, , .	0.3	4
39	Input/output Linearization Control Technique for Anaerobic Digestion Reactor with Recirculation. E3S Web of Conferences, 2020, 141, 01007.	0.5	1
40	Analysis of Microbial Consortia with High Cellulolytic Activities for Cassava Pulp Degradation. E3S Web of Conferences, 2020, 141, 03005.	0.5	2
41	Profiling Analysis of Fatty Acids and Collagens Obtained from Sea Cucumbers. E3S Web of Conferences, 2020, 141, 03006.	0.5	2
42	Renewable Biodiesel Production from Oleaginous Yeast Biomass Using Industrial Wastes. E3S Web of Conferences, 2020, 141, 03010.	0.5	3
43	Inhibitory Effect of Inorganic Salts Residuals on Cellulase Kinetics in Biofuel Production from Lignocellulose Biomass. , 2020, , .		1
44	Furfural: A Sustainable Platform Chemical and Fuel. Applied Science and Engineering Progress, 2020, 13, .	0.8	34
45	Trends in Lignocellulosic Biorefinery for Production of Value-added Biochemicals. Applied Science and Engineering Progress, 2020, 13, .	0.8	16
46	Recent Situation and Progress in Biorefining Process of Lignocellulosic Biomass: Toward Green Economy. Applied Science and Engineering Progress, 2020, 13, .	0.8	70
47	Prospect of Liquid Biphasic System in Microalgae Research. Applied Science and Engineering Progress, 2020, , .	0.8	0
48	Genetic Variation of Coleosporium plumeriae from Different Provinces in Thailand. Applied Science and Engineering Progress, 2020, , .	0.8	0
49	Bioplastic: From Research to Innovation and Implementation Against Global Warming. The Journal of King Mongkut S University of Technology North Bangkok, 2020, 30, .	0.0	0
50	Influence of Nanoparticles on the Shelf Life of Food in Packaging Materials. , 2020, , 255-276.		1
51	Enhanced Enzymatic Conversion of Durian Peel by Sulfuric Pretreatment for Biofuel Production. , 2020, , .		2
52	Recycling of 1-ethyl-3-methylimidazolium acetate in lignocellulosic biomass pretreatment. , 2019, , .		3
53	Characterizations of lignocellulose waxes and study of their effects on enzymatic saccharification for biofuel production. IOP Conference Series: Earth and Environmental Science, 2019, 346, 012005.	0.3	1
54	Evaluation of Macaranga tanarius as a biomass feedstock for fermentable sugars production. Bioresource Technology, 2019, 294, 122195.	9.6	24

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55	Effect of organic acid pretreatment of water hyacinth on enzymatic hydrolysis and biogas and bioethanol production. IOP Conference Series: Earth and Environmental Science, 2019, 346, 012004.	0.3	6
56	Pretreatment of Rice Straw by Inorganic Salts and 1-Ethyl-3-methylimidazolium Acetate for Biofuel Production. , 2019, , .		5
57	Effect of Brewing Time and Temperature of Centella Asiatica Tea on Antioxidant Activity and Consumer Acceptance. , 2019, , .		0
58	One-pot Synthesis of LiFePO ₄ Nano-particles Entrapped in Mesoporous Melamine-Formaldehyde Matrix as the Promising Cathode Materials for the Next Generation Lithium Ion Batteries. Materials Today: Proceedings, 2019, 17, 1284-1292.	1.8	2
59	The Interconnected Open-Channel Highly Porous Carbon Material Derived from Pineapple Leaf Fibers as a Sustainable Electrode Material for Electrochemical Energy Storage Devices. Key Engineering Materials, 2019, 798, 97-104.	0.4	6
60	A Rapid Spectrophotometric Method for Quantitative Determination of Ethanol in Fermentation Products. Oriental Journal of Chemistry, 2019, 35, 744-750.	0.3	30
61	Rapid detection of tilapia lake virus using a one-step reverse transcription loop-mediated isothermal amplification assay. Aquaculture, 2019, 507, 35-39.	3.5	23
62	Effects of Bacillus aryabhattai TBRC8450 on vibriosis resistance and immune enhancement in Pacific white shrimp, Litopenaeus vannamei. Fish and Shellfish Immunology, 2019, 86, 4-13.	3.6	53
63	Analysis of an Ionic Liquid and Salt Tolerant Microbial Consortium Which Is Useful for Enhancement of Enzymatic Hydrolysis and Biogas Production. Waste and Biomass Valorization, 2019, 10, 1481-1491.	3.4	28
64	Optimization of Oil Production from Cassava Pulp and Sugarcane Bagasse using Oleaginous Yeast. Oriental Journal of Chemistry, 2019, 35, 668-677.	0.3	6
65	The Drug Delivery System of Centella asiatica extract-loaded Gelatin Nanoparticles using of One-step desolvation Method. , 2018, , .		4
66	Organic acid pretreatment of oil palm trunk: effect on enzymatic saccharification and ethanol production. Bioprocess and Biosystems Engineering, 2018, 41, 467-477.	3.4	64
67	Measurement and Thermodynamic Modelling of Erythritol Solubility in Aqueous Solvents. Oriental Journal of Chemistry, 2018, 34, 265-275.	0.3	5
68	Control of Anaerobic Digestion Reactor with Recirculation Using an Input-Output Linearizing Control Strategy. IFAC-PapersOnLine, 2018, 51, 109-114.	0.9	3
69	Study of Mathematical Models in Hot Air Drying of Herbs in Herbal Compress Ball. MATEC Web of Conferences, 2018, 187, 01002.	0.2	1
70	The Antibacterial and Antioxidant Activity of Centella Asiatica Chloroform Extract-loaded Gelatin Nanoparticles. MATEC Web of Conferences, 2018, 187, 02002.	0.2	3
71	Pretreatment Optimization of Cholinium Ionic Liquid for Maximizing Sugar Release from Rice Straw. , 2018, , .		7
72	Study of Recyclability of EMIM-Ac in Rice Straw Pretreatment. , 2018, , .		2

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73	Chemical Profiling Analysis and Identification the Bioactivities of Herbal Compress Extracts. MATEC Web of Conferences, 2018, 187, 01001.	0.2	3
74	Optimization of Alkyl Imidazolium Chloride Pretreatment on Rice Straw Biomass Conversion. King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 2018, , .	0.2	7
75	Chemical Profiling of Morinda Citrifolia Extract From Solvent and Soxhlet Extraction Method. , 2017, , .		3
76	Improving Saccharification of Oil Palm Shell by Acetic Acid Pretreatment for Biofuel Production. Energy Procedia, 2017, 141, 146-149.	1.8	14
77	Effect of Cellulase-producing Microbial Consortium on Biogas Production from Lignocellulosic Biomass. Energy Procedia, 2017, 141, 180-183.	1.8	20
78	Chemical Profiling of Acalypha Indica Obtained from Supercritical Carbon Dioxide Extraction and Soxhlet Extraction Methods. Oriental Journal of Chemistry, 2017, 33, 66-73.	0.3	10
79	Development of Ionic Liquid Utilization in Biorefinery Process of Lignocellulosic Biomass. King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 2017, , .	0.2	3
80	Effect of Organic Acid Pretreatment on Napier Grass (Pennisetum purpureum) Straw Biomass Conversion. King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 2017, , .	0.2	6
81	Effect of Organic Acid Pretreatment on Napier Grass (Pennisetum purpureum) Straw Biomass Conversion. King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 2017, , .	0.2	3
82	Production of Ionic Liquid-tolerant Cellulase Produced by Microbial Consortium and its Application in Biofuel Production. Energy Procedia, 2016, 100, 155-159.	1.8	11
83	Enzymatic Saccharification of Rice Straw under Influence of Recycled Ionic Liquid Pretreatments. Energy Procedia, 2016, 100, 160-165.	1.8	25
84	Enhancing enzymatic hydrolysis and biogas production from rice straw by pretreatment with organic acids. Industrial Crops and Products, 2016, 87, 247-254.	5.2	145
85	Production, purification and characterization of an ionic liquid tolerant cellulase from Bacillus sp. isolated from rice paddy field soil. Electronic Journal of Biotechnology, 2016, 19, 23-28.	2.2	50
86	Lignocellulosic Biomass to Biofuel Production: Integration of Chemical and Extrusion (Screw Press) Pretreatment. King Mongkut's University of Technology North Bangkok International Journal of Applied Science and Technology, 2016, , .	0.2	11
87	Review: The Bioavailability Activity of Centella asiatica. KMUTNB International Journal of Applied Science and Technology, 2015, , 1-9.	0.3	12
88	Anammox Process: the Principle, the Technological Development and Recent Industrial Applications. KMUTNB International Journal of Applied Science and Technology, 2015, , 1-8.	0.3	2
89	Response Surface Methodology for Optimization of Biodiesel Production by Acinetobacter baylyi. KMUTNB International Journal of Applied Science and Technology, 2014, 7, 47-52.	0.3	11
90	Top 10 plant pathogenic bacteria in molecular plant pathology. Molecular Plant Pathology, 2012, 13, 614-629.	4.2	1,678

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91	Two New Complete Genome Sequences Offer Insight into Host and Tissue Specificity of Plant Pathogenic <i>Xanthomonas</i> spp. <i>Journal of Bacteriology</i> , 2011, 193, 5450-5464.	2.2	189
92	Small Protein-Mediated Quorum Sensing in a Gram-Negative Bacterium. <i>PLoS ONE</i> , 2011, 6, e29192.	2.5	33
93	Characterization of fatty acids and proteins associated with the xanthophyll-enriched membrane fraction isolated from the thylakoid membranes of irradiance-stressed <i>Dunaliella salina</i> . <i>Journal of Applied Phycology</i> , 2010, 22, 147-155.	2.8	1
94	A Type Iâ€‘Secreted, Sulfated Peptide Triggers XA21-Mediated Innate Immunity. <i>Science</i> , 2009, 326, 850-853.	12.6	240
95	Genome sequence and rapid evolution of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A. <i>BMC Genomics</i> , 2008, 9, 204.	2.8	327
96	Genome sequence and rapid evolution of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A. <i>BMC Genomics</i> , 2008, 9, 534.	2.8	33
97	A two-genome microarray for the rice pathogens <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> and <i>X. oryzae</i> pv. <i>oryzicola</i> and its use in the discovery of a difference in their regulation of <i>hrp</i> genes. <i>BMC Microbiology</i> , 2008, 8, 99.	3.3	40
98	Study of Antibacterial Activity of Nanosilver-Polypropylene Composite against Contaminated Bacteria in Molasses. <i>Materials Science Forum</i> , 0, 939, 163-169.	0.3	0
99	One-Pot Synthesis of LiFePO_4 Nano-Particles Dispersed in N-Containing Melamine-Formaldehyde Carbon Matrix as the Cathode Materials for Large Scale Lithium Ion Batteries. <i>Key Engineering Materials</i> , 0, 775, 342-349.	0.4	0