Keat Teong Lee

List of Publications by Year
in descending order

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179 papers	14,520 citations	20036 63 h-index	23841 115 g-index
180 all docs	180 docs citations	180 times ranked	14199 citing authors

#	Article	IF	Citations
1	Potential of macroalgae-based biorefinery for lactic acid production from exergy aspect. Biomass Conversion and Biorefinery, 2023, 13, 2623-2653.	2.9	8
2	Influence of environmental stress on microalgae growth and lipid profile: a systematic review. Phytochemistry Reviews, 2023, 22, 879-901.	3.1	13
3	Exergy analysis of a biorefinery process for co-production of third-generation L-lactic acid and electricity from Eucheuma denticulatum residues. Energy, 2022, 242, 122968.	4.5	6
4	Decolourization of chicken compost derived liquid fertilizer via synergic ultraviolet (UV) irradiation and ozonation for enhanced microalgae cultivation. E3S Web of Conferences, 2021, 287, 04013.	0.2	1
5	Complex chemical kinetic mechanism reduction for simultaneous catalytic oxidation and desulphurization of hydrogen sulphide. Fuel, 2021, 286, 119406.	3.4	1
6	Sustainable and green pretreatment strategy of Eucheuma denticulatum residues for third-generation l-lactic acid production. Bioresource Technology, 2021, 330, 124930.	4.8	22
7	Flocculation of Chlorella vulgaris by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. Science of the Total Environment, 2020, 702, 134995.	3.9	58
8	Advances of macroalgae biomass for the third generation of bioethanol production. Chinese Journal of Chemical Engineering, 2020, 28, 502-517.	1.7	61
9	Insights and utility of cycling-induced thermal deformation of calcium-based microporous material as post-combustion CO2 sorbents. Fuel, 2020, 260, 116354.	3.4	14
10	Techno-economic evaluation of third-generation bioethanol production utilizing the macroalgae waste: A case study in Malaysia. Energy, 2020, 210, 118491.	4.5	30
11	Hydrochar production from high-ash low-lipid microalgal biomass via hydrothermal carbonization: Effects of operational parameters and products characterization. Environmental Research, 2020, 188, 109828.	3.7	64
12	Macroalgae-derived regenerated cellulose in the stabilization of oil-in-water Pickering emulsions. Carbohydrate Polymers, 2020, 249, 116875.	5.1	15
13	Cultivation of Chlorella vulgaris using sequential-flow bubble column photobioreactor: A stress-inducing strategy for lipid accumulation and carbon dioxide fixation. Journal of CO2 Utilization, 2020, 41, 101226.	3.3	44
14	High biodiesel yield from wet microalgae paste via in-situ transesterification: Effect of reaction parameters towards the selectivity of fatty acid esters. Fuel, 2020, 272, 117718.	3.4	47
15	The potential of attached growth of microalgae on solid surface for biomass and lipid production. IOP Conference Series: Materials Science and Engineering, 2020, 965, 012001.	0.3	7
16	Algae biorefinery: Review on a broad spectrum of downstream processes and products. Bioresource Technology, 2019, 292, 121964.	4.8	138
17	Biodiesel Production in Supercritical Fluids. , 2019, , 523-538.		1
18	Production of Biodiesel Using Palm Oil. , 2019, , 539-574.		6

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19	Scale-up and commercialization of algal cultivation and biofuels production. , 2019, , 475-506.		27
20	Life cycle evaluation of microalgae biofuels production: Effect of cultivation system on energy, carbon emission and cost balance analysis. Science of the Total Environment, 2019, 688, 112-128.	3.9	162
21	Biohydrogen Production From Algae. , 2019, , 219-245.		27
22	Semi-continuous cultivation of Chlorella vulgaris using chicken compost as nutrients source: Growth optimization study and fatty acid composition analysis. Energy Conversion and Management, 2018, 164, 363-373.	4.4	55
23	Harvesting and pre-treatment of microalgae cultivated in wastewater for biodiesel production: A review. Energy Conversion and Management, 2018, 171, 1416-1429.	4.4	200
24	Dilute sulfuric acid hydrolysis of red macroalgae Eucheuma denticulatum with microwave-assisted heating for biochar production and sugar recovery. Bioresource Technology, 2017, 246, 20-27.	4.8	50
25	Cultivation of Chlorella vulgaris using nutrients source from domestic wastewater for biodiesel production: Growth condition and kinetic studies. Renewable Energy, 2017, 103, 197-207.	4.3	115
26	The world availability of non-wood lignocellulosic biomass for the production of cellulosic ethanol and potential pretreatments for the enhancement of enzymatic saccharification. Renewable and Sustainable Energy Reviews, 2016, 60, 155-172.	8.2	167
27	Sustainable production of bioethanol using lipid-extracted biomass from Scenedesmus dimorphus. Journal of Cleaner Production, 2016, 130, 68-73.	4.6	60
28	Pilot-scale semi-continuous cultivation of microalgae Chlorella vulgaris in bubble column photobioreactor (BC-PBR): Hydrodynamics and gasâ€“liquid mass transfer study. Algal Research, 2016, 15, 65-76.	2.4	49
29	Comparison of different process strategies for bioethanol production from Eucheuma cottonii : An economic study. Bioresource Technology, 2016, 199, 336-346.	4.8	27
30	Solid acid catalysts pretreatment and enzymatic hydrolysis of macroalgae cellulosic residue for the production of bioethanol. Carbohydrate Polymers, 2015, 124, 311-321.	5.1	42
31	Pangium edule Reinw: A Promising Non-edible Oil Feedstock for Biodiesel Production. Arabian Journal for Science and Engineering, 2015, 40, 583-594.	1.1	47
32	Bioethanol Production from Microalgae. , 2015, , 197-208.		15
33	Optimization and kinetic studies of sea mango (Cerbera odollam) oil for biodiesel production via supercritical reaction. Energy Conversion and Management, 2015, 99, 242-251.	4.4	48
34	Kinetic studies of sea mango (Cerbera odollam) oil for biodiesel production via injection of superheated methanol vapour technology. Energy Conversion and Management, 2015, 105, 1213-1222.	4.4	16
35	Non-Catalytic and Catalytic Transesterification: A Reaction Kinetics Comparison Study. International Journal of Green Energy, 2015, 12, 551-558.	2.1	7
36	Immobilization of Î²-glucosidase from Aspergillus niger on Îº-carrageenan hybrid matrix and its application on the production of reducing sugar from macroalgae cellulosic residue. Bioresource Technology, 2015, 184, 386-394.	4.8	48

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37	Esterification of hydrolyzed sea mango (Cerbera odollam) oil using various cationic ion exchange resins. Energy Science and Engineering, 2014, 2, 31-38.	1.9	6
38	Scale-Up and Commercialization of Algal Cultivation and Biofuel Production. , 2014, , 261-286.		8
39	Sono-assisted organosolv/H2O2 pretreatment of oil palm (Elaeis guineensis Jacq.) fronds for recovery of fermentable sugars: Optimization and severity evaluation. Fuel, 2014, 115, 170-178.	3.4	37
40	A biorefinery concept for simultaneous recovery of cellulosic ethanol and phenolic compounds from oil palm fronds: Process optimization. Energy Conversion and Management, 2014, 81, 192-200.	4.4	27
41	Biodiesel production via injection of superheated methanol technology at atmospheric pressure. Energy Conversion and Management, 2014, 87, 1231-1238.	4.4	20
42	Recent development and economic analysis of glycerol-free processes via supercritical fluid transesterification for biodiesel production. Renewable and Sustainable Energy Reviews, 2014, 31, 61-70.	8.2	69
43	Same-vessel enzymatic saccharification and fermentation of organosolv/H2O2 pretreated oil palm (Elaeis guineensis Jacq.) fronds for bioethanol production: Optimization of process parameters. Energy Conversion and Management, 2014, 78, 421-430.	4.4	22
44	An oil palm-based biorefinery concept for cellulosic ethanol and phytochemicals production: Sustainability evaluation using exergetic life cycle assessment. Applied Thermal Engineering, 2014, 62, 90-104.	3.0	43
45	Cultivation of Chlorella vulgaris in a pilot-scale sequential-baffled column photobioreactor for biomass and biodiesel production. Energy Conversion and Management, 2014, 88, 399-410.	4.4	55
46	Integration of reactive extraction with supercritical fluids for process intensification of biodiesel production: Prospects and recent advances. Progress in Energy and Combustion Science, 2014, 45, 54-78.	15.8	45
47	Non-catalytic hydrolysis of sea mango (Cerbera odollam) oil and various non-edible oils to improve their solubility in alcohol for biodiesel production. Chemical Engineering Journal, 2014, 237, 1-7.	6.6	20
48	Ultrasonic-assisted simultaneous saccharification and fermentation of pretreated oil palm fronds for sustainable bioethanol production. Fuel, 2014, 119, 285-291.	3.4	49
49	Investigation of impurity tolerance and thermal stability for biodiesel production from Jatropha curcas L. seeds using supercritical reactive extraction. Energy, 2014, 68, 71-79.	4.5	22
50	Enzymatic hydrolysis and fermentation of seaweed solid wastes for bioethanol production: An optimization study. Energy, 2014, 78, 53-62.	4.5	114
51	Sustainable utilization of oil palm wastes for bioactive phytochemicals for the benefit of the oil palm and nutraceutical industries. Phytochemistry Reviews, 2013, 12, 173-190.	3.1	68
52	Comparative thermodynamic sustainability assessment of lignocellulosic pretreatment methods for bioethanol production via exergy analysis. Chemical Engineering Journal, 2013, 228, 162-171.	6.6	46
53	Biohydrogen Production from Algae. , 2013, , 161-184.		5
54	Sustainability of Biofuel Production from Oil Palm Biomass. Green Energy and Technology, 2013, , .	0.4	25

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55	Process optimization and kinetic study for biodiesel production from non-edible sea mango (Cerbera) Tj ETQq1 1 0.784314 rgBT /Ove	6.6	58
56	A comparative evaluation of physical and chemical properties of biodiesel synthesized from edible and non-edible oils and study on the effect of biodiesel blending. Energy, 2013, 58, 296-304.	4.5	164
57	Influence of temperature on liquid products yield of oil palm shell via subcritical water liquefaction in the presence of alkali catalyst. Fuel Processing Technology, 2013, 110, 197-205.	3.7	45
58	Fuel Properties of Croton megalocarpus, Calophyllum inophyllum, and Cocos nucifera (coconut) Methyl Esters and their Performance in a Multicylinder Diesel Engine. Energy Technology, 2013, 1, 685-694.	1.8	34
59	An overview on global warming in Southeast Asia: CO 2 emission status, efforts done, and barriers. Renewable and Sustainable Energy Reviews, 2013, 28, 71-81.	8.2	90
60	Hydrolysis of macroalgae using heterogeneous catalyst for bioethanol production. Carbohydrate Polymers, 2013, 94, 561-566.	5.1	47
61	Synthesis of activated carbon from lignocellulosic biomass and its applications in air pollution controlâ€"a review. Journal of Environmental Chemical Engineering, 2013, 1, 658-666.	3.3	310
62	Effect of operating conditions towards simultaneous removal of SO2 and NO using copper modified rice husk ash: Role as sorbent and catalyst. Journal of Environmental Chemical Engineering, 2013, 1, 755-761.	3.3	8
63	Effect of carbon source towards the growth of Chlorella vulgaris for CO2 bio-mitigation and biodiesel production. International Journal of Greenhouse Gas Control, 2013, 14, 169-176.	2.3	93
64	Catalytic transesterification of high viscosity crude microalgae lipid to biodiesel: Effect of co-solvent. Fuel Processing Technology, 2013, 110, 242-248.	3.7	61
65	Optimization of supercritical methanol reactive extraction by Response Surface Methodology and product characterization from Jatropha curcas L. seeds. Bioresource Technology, 2013, 142, 121-130.	4.8	32
66	Investigation of physical and chemical properties of potential edible and non-edible feedstocks for biodiesel production, a comparative analysis. Renewable and Sustainable Energy Reviews, 2013, 21, 749-755.	8.2	123
67	Influence of impurities on biodiesel production from Jatropha curcas L. by supercritical methyl acetate process. Journal of Supercritical Fluids, 2013, 79, 73-75.	1.6	22
68	Evolution towards the utilisation of functionalised carbon nanotubes as a new generation catalyst support in biodiesel production: an overview. RSC Advances, 2013, 3, 9070.	1.7	59
69	Utilisation of Palm Oil Wastes for Biofuel and Other Value-Added Bio-Products: A Holistic Approach to Sustainable Waste Management for the Palm Oil Industry. , 2013, , 53-87.		2
70	Biodiesel production by non-catalytic supercritical methyl acetate: Thermal stability study. Applied Energy, 2013, 101, 198-202.	5.1	43
71	Process intensification for biodiesel production from Jatropha curcas L. seeds: Supercritical reactive extraction process parameters study. Applied Energy, 2013, 103, 712-720.	5.1	56
72	Oil Palm Biomass as Feedstock for Biofuel Production. Green Energy and Technology, 2013, , 77-106.	0.4	6

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73	Production of Palm Biofuels Toward Sustainable Development. Green Energy and Technology, 2013, , 107-146.	0.4	1
74	Environmental Sustainability Assessment of Biofuel Production from Oil Palm Biomass. Green Energy and Technology, 2013, , 149-187.	0.4	5
75	Economic Sustainability Assessment of Biofuels Production from Oil Palm Biomass. Green Energy and Technology, 2013, , 189-215.	0.4	0
76	Global warming mitigation and renewable energy policy development from the Kyoto Protocol to the Copenhagen Accordâ€"A comment. Renewable and Sustainable Energy Reviews, 2012, 16, 5280-5284.	8.2	174
77	Intensification of biodiesel production via ultrasonic-assisted process: A critical review on fundamentals and recent development. Renewable and Sustainable Energy Reviews, 2012, 16, 4574-4587.	8.2	92
78	Potential of Ceiba pentandra (L.) Gaertn. (kapok fiber) as a resource for second generation bioethanol: Effect of various simple pretreatment methods on sugar production. Bioresource Technology, 2012, 116, 536-539.	4.8	50
79	Current status and challenges on microalgae-based carbon capture. International Journal of Greenhouse Gas Control, 2012, 10, 456-469.	2.3	293
80	Membrane technology as a promising alternative in biodiesel production: A review. Biotechnology Advances, 2012, 30, 1364-1380.	6.0	129
81	Immobilization as a feasible method to simplify the separation of microalgae from water for biodiesel production. Chemical Engineering Journal, 2012, 191, 263-268.	6.6	104
82	Potential of using organic fertilizer to cultivate Chlorella vulgaris for biodiesel production. Applied Energy, 2012, 94, 303-308.	5.1	138
83	Transesterification of palm oil and crude sea mango (Cerbera odollam) oil: The active role of simplified sulfated zirconia catalyst. Biomass and Bioenergy, 2012, 40, 96-104.	2.9	28
84	Pretreatment of oil palm frond using hot compressed water: An evaluation of compositional changes and pulp digestibility using severity factors. Bioresource Technology, 2012, 110, 662-669.	4.8	41
85	Microalgae biofuels: A critical review of issues, problems and the way forward. Biotechnology Advances, 2012, 30, 673-690.	6.0	797
86	Implementation of biofuels in Malaysian transportation sector towards sustainable development: A case study of international cooperation between Malaysia and Japan. Renewable and Sustainable Energy Reviews, 2012, 16, 1790-1800.	8.2	63
87	Production of Biodiesel Using Palm Oil. , 2011, , 353-374.		10
88	Biodiesel Production in Supercritical Fluids. , 2011, , 339-352.		0
89	Second-generation bioethanol as a sustainable energy source in Malaysia transportation sector: Status, potential and future prospects. Renewable and Sustainable Energy Reviews, 2011, 15, 4521-4536.	8.2	59
90	Effects of solid pre-treatment towards optimizing supercritical methanol extraction and transesterification of Jatropha curcas L. seeds for the production of biodiesel. Separation and Purification Technology, 2011, 81, 363-370.	3.9	22

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91	Evaluation and optimization of organosolv pretreatment using combined severity factors and response surface methodology. Biomass and Bioenergy, 2011, 35, 4025-4033.	2.9	82
92	Renewable and sustainable bioenergies production from palm oil mill effluent (POME): Winâ€“win strategies toward better environmental protection. Biotechnology Advances, 2011, 29, 124-141.	6.0	284
93	Second-generation biofuel (SGB) in Southeast Asia via lignocellulosic biorefinery: Penny-foolish but pound-wise. Renewable and Sustainable Energy Reviews, 2011, 15, 2714-2718.	8.2	19
94	Production of biodiesel from Jatropha curcas L. oil catalyzed by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>SO</mml:mtext></mml:mrow><mml:mrow><mml:mn>4</mml:m catalyst: Effect of interaction between process variables. Bioresource Technology, 2011, 102, 4285-4289.	4.8	65
95	Parallel production of biodiesel and bioethanol in palmâ€oilâ€based biorefineries: life cycle assessment on the energy and greenhouse gases emissions. Biofuels, Bioproducts and Biorefining, 2011, 5, 132-150.	1.9	40
96	Response to â€œComment on a glycerol-free process to produce biodiesel by supercritical methyl acetate technology: An optimization study via response surface methodologyâ€. Bioresource Technology, 2011, 102, 3990-3991.	4.8	2
97	Pretreatment of lignocellulosic palm biomass using a solvent-ionic liquid [BMIM]Cl for glucose recovery: An optimisation study using response surface methodology. Carbohydrate Polymers, 2011, 83, 1862-1868.	5.1	124
98	A green catalyst for biodiesel production from jatropha oil: Optimization study. Biomass and Bioenergy, 2011, 35, 1739-1746.	2.9	67
99	Simultaneous SO2 and NO removal using sorbents derived from rice husks: An optimisation study. Fuel, 2011, 90, 1811-1817.	3.4	18
100	Mixed methanolâ€“ethanol technology to produce greener biodiesel from waste cooking oil: A breakthrough for SO42â¯/SnO2â€“SiO2 catalyst. Fuel Processing Technology, 2011, 92, 1639-1645.	3.7	113
101	Prospects of non-catalytic supercritical methyl acetate process in biodiesel production. Fuel Processing Technology, 2011, 92, 1905-1909.	3.7	45
102	Sorption of SO2 and NO from simulated flue gas over rice husk ash (RHA)/CaO/CeO2 sorbent: Evaluation of deactivation kinetic parameters. Journal of Hazardous Materials, 2011, 185, 1609-1613.	6.5	18
103	A review on supercritical fluids (SCF) technology in sustainable biodiesel production: Potential and challenges. Renewable and Sustainable Energy Reviews, 2011, 15, 2452-2456.	8.2	93
104	The use of sulfated tin oxide as solid superacid catalyst for heterogeneous transesterification of Jatropha curcas oil. Chemical Papers, 2010, 64, .	1.0	29
105	Cerium impregnated palm shell activated carbon (Ce/PSAC) sorbent for simultaneous removal of SO2 and NOâ€”Process study. Chemical Engineering Journal, 2010, 162, 51-57.	6.6	50
106	Selection of best impregnated palm shell activated carbon (PSAC) for simultaneous removal of SO2 and NOx. Journal of Hazardous Materials, 2010, 176, 1093-1096.	6.5	122
107	Homogeneous, heterogeneous and enzymatic catalysis for transesterification of high free fatty acid oil (waste cooking oil) to biodiesel: A review. Biotechnology Advances, 2010, 28, 500-518.	6.0	1,054
108	A visionary and conceptual macroalgae-based third-generation bioethanol (TGB) biorefinery in Sabah, Malaysia as an underlay for renewable and sustainable development. Renewable and Sustainable Energy Reviews, 2010, 14, 842-848.	8.2	227

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109	Banana biomass as potential renewable energy resource: A Malaysian case study. Renewable and Sustainable Energy Reviews, 2010, 14, 798-805.	8.2	162
110	Palm-based biofuel refinery (PBR) to substitute petroleum refinery: An energy and emergy assessment. Renewable and Sustainable Energy Reviews, 2010, 14, 2986-2995.	8.2	29
111	Parameters optimization of rice husk ash (RHA)/CaO/CeO2 sorbent for predicting SO2/NO sorption capacity using response surface and neural network models. Journal of Hazardous Materials, 2010, 178, 249-257.	6.5	17
112	Rice husk ash sorbent doped with copper for simultaneous removal of SO2 and NO: Optimization study. Journal of Hazardous Materials, 2010, 183, 738-745.	6.5	10
113	Reactive extraction and in situ esterification of Jatropha curcas L. seeds for the production of biodiesel. Fuel, 2010, 89, 527-530.	3.4	142
114	Sulphur dioxide removal using South African limestone/siliceous materials. Fuel, 2010, 89, 2549-2555.	3.4	13
115	Accelerating transesterification reaction with biodiesel as co-solvent: A case study for solid acid sulfated tin oxide catalyst. Fuel, 2010, 89, 3866-3870.	3.4	66
116	Optimization of supercritical dimethyl carbonate (SCDMC) technology for the production of biodiesel and value-added glycerol carbonate. Fuel, 2010, 89, 3833-3839.	3.4	57
117	Optimizing ethanolic hot compressed water (EHCW) cooking as a pretreatment to glucose recovery for the production of fuel ethanol from oil palm frond (OPF). Fuel Processing Technology, 2010, 91, 1146-1151.	3.7	16
118	Heterogeneous catalyzed biodiesel production from Moringa oleifera oil. Fuel Processing Technology, 2010, 91, 1525-1529.	3.7	78
119	CO2 removal using membrane gas absorption. International Journal of Greenhouse Gas Control, 2010, 4, 495-498.	2.3	70
120	Bio-ethanol from lignocellulose: Status, perspectives and challenges in Malaysia. Bioresource Technology, 2010, 101, 4834-4841.	4.8	243
121	Subcritical water liquefaction of oil palm fruit press fiber in the presence of sodium hydroxide: An optimisation study using response surface methodology. Bioresource Technology, 2010, 101, 9335-9341.	4.8	75
122	Will biofuel projects in Southeast Asia become white elephants?. Energy Policy, 2010, 38, 3847-3848.	4.2	28
123	An optimized study of methanol and ethanol in supercritical alcohol technology for biodiesel production. Journal of Supercritical Fluids, 2010, 53, 82-87.	1.6	89
124	Effects of free fatty acids, water content and co-solvent on biodiesel production by supercritical methanol reaction. Journal of Supercritical Fluids, 2010, 53, 88-91.	1.6	122
125	Adsorption isotherm models and properties of SO2 and NO removal by palm shell activated carbon supported with cerium (Ce/PSAC). Chemical Engineering Journal, 2010, 162, 194-200.	6.6	44
126	Subcritical water liquefaction of oil palm fruit press fiber for the production of bio-oil: Effect of catalysts. Bioresource Technology, 2010, 101, 745-751.	4.8	73

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127	A glycerol-free process to produce biodiesel by supercritical methyl acetate technology: An optimization study via Response Surface Methodology. Bioresource Technology, 2010, 101, 965-969.	4.8	139
128	Second-generation bio-ethanol (SGB) from Malaysian palm empty fruit bunch: Energy and exergy analyses. Bioresource Technology, 2010, 101, 5719-5727.	4.8	54
129	Croton megalocarpus oil: A feasible non-edible oil source for biodiesel production. Bioresource Technology, 2010, 101, 7000-7004.	4.8	61
130	Hot compressed water pretreatment of oil palm fronds to enhance glucose recovery for production of second generation bio-ethanol. Bioresource Technology, 2010, 101, 7362-7367.	4.8	72
131	Sub/supercritical liquefaction of oil palm fruit press fiber for the production of bio-oil: Effect of solvents. Bioresource Technology, 2010, 101, 7641-7647.	4.8	120
132	Catalytic cracking of bio-oil to organic liquid product (OLP). Bioresource Technology, 2010, 101, 8855-8858.	4.8	121
133	Supercritical Alcohol Technology in Biodiesel Production: A Comparative Study between Methanol and Ethanol. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 33, 156-163.	1.2	17
134	Optimized Preparation of Moringa Oleifera Methyl Esters Using Sulfated Tin Oxide as Heterogenous Catalyst. , 2010, , .		0
135	Reactive Extraction of Jatropha curcas L. Seed for Production of Biodiesel: Process Optimization Study. Environmental Science & Technology, 2010, 44, 4361-4367.	4.6	98
136	SO₂and NO Simultaneous Removal from Simulated Flue Gas over Cerium-Supported Palm Shell Activated at Lower Temperaturesâ˜Role of Cerium on NO Removal. Energy & Fuels, 2010, 24, 427-431.	2.5	26
137	The role of molybdenum in Co-Mo/MgO for large-scale production of high quality carbon nanotubes. Journal of Alloys and Compounds, 2010, 493, 539-543.	2.8	31
138	BIODIESEL PRODUCTION FROM PALM OIL VIA HETEROGENEOUS TRANSESTERIFICATION: OPTIMIZATION STUDY. Chemical Engineering Communications, 2010, 197, 1597-1611.	1.5	19
139	Rice Husk Ash/Calcium Oxide/Ceria Sorbent for Simultaneous Removal of Sulfur Dioxide and Nitric Oxide from Flue Gas at Low Temperature. Environmental Engineering Science, 2009, 26, 1257-1265.	0.8	6
140	Life cycle assessment for the production of biodiesel: A case study in Malaysia for palm oil versus jatropha oil. Biofuels, Bioproducts and Biorefining, 2009, 3, 601-612.	1.9	97
141	A comparative study on the energy policies in Japan and Malaysia in fulfilling their nationsâ€™ obligations towards the Kyoto Protocol. Energy Policy, 2009, 37, 4771-4778.	4.2	105
142	Performance of an activated carbon made from waste palm shell in simultaneous adsorption of SO x and NO x of flue gas at low temperature. Science in China Series D: Earth Sciences, 2009, 52, 198-203.	0.9	22
143	Biodiesel production from palm oil via heterogeneous transesterification. Biomass and Bioenergy, 2009, 33, 271-276.	2.9	145
144	Cerbera odollam (sea mango) oil as a promising non-edible feedstock for biodiesel production. Fuel, 2009, 88, 1148-1150.	3.4	172

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145	Optimization of mesoporous K/SBA-15 catalyzed transesterification of palm oil using response surface methodology. Fuel Processing Technology, 2009, 90, 958-964.	3.7	65
146	Supercritical ethanol technology for the production of biodiesel: Process optimization studies. Journal of Supercritical Fluids, 2009, 49, 286-292.	1.6	121
147	Evaluation of various additives on the preparation of rice husk ash (RHA)/CaO-based sorbent for flue gas desulfurization (FGD) at low temperature. Journal of Hazardous Materials, 2009, 161, 570-574.	6.5	33
148	Selection of metal oxides in the preparation of rice husk ash (RHA)/CaO sorbent for simultaneous SO2 and NO removal. Journal of Hazardous Materials, 2009, 166, 1556-1559.	6.5	49
149	Palm oil: Addressing issues and towards sustainable development. Renewable and Sustainable Energy Reviews, 2009, 13, 420-427.	8.2	267
150	Malaysian palm oil: Surviving the food versus fuel dispute for a sustainable future. Renewable and Sustainable Energy Reviews, 2009, 13, 1456-1464.	8.2	208
151	Modified shrinking unreacted-core model for the reaction between sulfur dioxide and coal fly ash/CaO/CaSO4 sorbent. Chemical Engineering Journal, 2009, 146, 57-62.	6.6	34
152	Sulfated tin oxide as solid superacid catalyst for transesterification of waste cooking oil: An optimization study. Applied Catalysis B: Environmental, 2009, 93, 134-139.	10.8	168
153	Life cycle assessment of palm biodiesel: Revealing facts and benefits for sustainability. Applied Energy, 2009, 86, S189-S196.	5.1	247
154	Production of FAME by palm oil transesterification via supercritical methanol technology. Biomass and Bioenergy, 2009, 33, 1096-1099.	2.9	88
155	Oil palm biomass as a sustainable energy source: A Malaysian case study. Energy, 2009, 34, 1225-1235.	4.5	393
156	Optimization of microporous palm shell activated carbon production for flue gas desulphurization: Experimental and statistical studies. Bioresource Technology, 2009, 100, 1614-1621.	4.8	72
157	Role of energy policy in renewable energy accomplishment: The case of second-generation bioethanol. Energy Policy, 2008, 36, 3360-3365.	4.2	132
158	Feasibility of Palm Oil as the Feedstock for Biodiesel Production via Heterogeneous Transesterification. Chemical Engineering and Technology, 2008, 31, 993-999.	0.9	21
159	Feasibility of edible oil vs. non-edible oil vs. waste edible oil as biodiesel feedstock. Energy, 2008, 33, 1646-1653.	4.5	981
160	Development of kinetic model for the reaction between SO2/NO and coal fly ash/CaO/CaSO4 sorbent. Fuel, 2008, 87, 2223-2228.	3.4	19
161	Analysis of SO₂ Sorption Capacity of Rice Husk Ash (RHA)/CaO/NaOH Sorbents Using Response Surface Methodology (RSM): Untreated and Pretreated RHA. Environmental Science & Technology, 2008, 42, 1499-1504.	4.6	29
162	Flue Gas Desulfurization Using Sorbent Synthesized from Lime (CaO) and Oil Palm Ash (OPA) Derived from Empty Fruit Bunches (EFB): Statistical Design Approach. Environmental Engineering Science, 2007, 24, 769-777.	0.8	6

#	Article	IF	Citations
163	Dry SO2 Removal Process Using Calcium/Siliceous-Based Sorbents: Deactivation Kinetics Based on Breakthrough Curves. Chemical Engineering and Technology, 2007, 30, 663-666.	0.9	16
164	The effects of limestone type on the sulphur capture of slaked lime. Fuel, 2007, 86, 2660-2666.	3.4	19
165	Potential of hydrogen from oil palm biomass as a source of renewable energy worldwide. Energy Policy, 2007, 35, 5692-5701.	4.2	243
166	Key Factor in Rice Husk Ash/CaO Sorbent for High Flue Gas Desulfurization Activity. Environmental Science & Technology, 2006, 40, 6032-6037.	4.6	42
167	Preparation and Characterization of CaO/CaSO4/Coal Fly Ash Sorbent for Sulfur Dioxide (SO2) Removal: Part I. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 1241-1249.	1.2	12
168	Optimization of Process Parameters for the Preparation of CaO/CaSO4/Coal Fly Ash Sorbent for Sulfur Dioxide (SO2) Removal: Part II. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 1251-1258.	1.2	5
169	Optimizing the specific surface area of fly ash-based sorbents for flue gas desulfurization. Chemosphere, 2006, 62, 89-96.	4.2	34
170	Energy for sustainable development in Malaysia: Energy policy and alternative energy. Energy Policy, 2006, 34, 2388-2397.	4.2	177
171	Neural Network Modeling of the Kinetics of SO2Removal by Fly Ash-Based Sorbent. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 195-210.	0.9	1
172	Modeling and Simulation of Flue Gas Desulfurization Using CaO/CaSO4/Coal Fly Ash Sorbent. Journal of Chemical Engineering of Japan, 2005, 38, 391-396.	0.3	3
173	Study of adsorbent prepared from oil palm ash (OPA) for flue gas desulfurization. Separation and Purification Technology, 2005, 45, 50-60.	3.9	106
174	Optimum conditions for preparation of flue gas desulfurization absorbent from rice husk ash. Fuel, 2005, 84, 143-151.	3.4	59
175	Removal of sulfur dioxide by fly ash/CaO/CaSO4 sorbents. Chemical Engineering Journal, 2005, 114, 171-177.	6.6	77
176	Removal of sulfur dioxide using absorbent synthesized from coal fly ash: Role of oxygen and nitrogen oxide in the desulfurization reaction. Chemical Engineering Science, 2005, 60, 3419-3423.	1.9	29
177	Oil Palm Ash/Ca(OH)2/CaSO4 Absorbent for Flue Gas Desulfurization. Chemical Engineering and Technology, 2005, 28, 939-945.	0.9	28
178	Application of Heteropolyacid-Based Heterogeneous Catalysts for Conversion of Oleochemicals into Renewable Fuels and other Value-Added Products. Materials Science Forum, 0, 757, 1-24.	0.3	3
179	Feasibility of Continuous Fatty Acid Methyl Esters (FAME) Production from Hydrolyzed Sea Mango (Cerbera odollam) Oil at Room Temperature Using Cationic Ion Exchange Resin. IOP Conference Series: Materials Science and Engineering, 0, 495, 012050.	0.3	2