Suttichai Assabumrungrat

List of Publications by Year
in descending order

339	9,100	47006	74163
papers	citations	47 h-index	75 g-index

343	343	343	8064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of <scp>CaO</scp> catalyst deactivation with unconventional monitoring method for glycerol carbonate production via transesterification of glycerol with dimethyl carbonate. International Journal of Energy Research, 2022, 46, 1646-1658.	4.5	10
2	Pyrolysis kinetic parameters investigation of single and tri-component biomass: Models fitting via comparative model-free methods. Renewable Energy, 2022, 182, 494-507.	8.9	13
3	Overview of biorefinery. , 2022, , 3-32.		3
4	Bioresources and biofuelsâ€"From classical to perspectives and trends. , 2022, , 165-220.		3
5	Complete design case study for pulp and paper industry. , 2022, , 641-681.		0
6	Simple Fabrication of a Continuous-Flow Photocatalytic Reactor Using Dopamine-Assisted Immobilization onto a Fluoropolymer Tubing. Industrial & Engineering Chemistry Research, 2022, 61, 1322-1331.	3.7	5
7	Lignocellulosic Bioethanol Production of Napier Grass Using Trichoderma reesei and Saccharomyces cerevisiae Co-Culture Fermentation. International Journal of Renewable Energy Development, 2022, 11, 423-433.	2.4	4
8	Catalytic Hydrotreating of Crude Pongamia pinnata Oil to Bio-Hydrogenated Diesel over Sulfided NiMo Catalyst. Energies, 2022, 15, 1547.	3.1	8
9	Simultaneous production of hydrogen and carbon nanotubes from biogas: On the design of combined process. International Journal of Hydrogen Energy, 2022, 47, 14432-14452.	7.1	9
10	Catalytic transfer hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over CuFe catalysts: Ex situ observation of simultaneous structural phase transformation. Fuel Processing Technology, 2022, 231, 107256.	7.2	12
11	Upgrading palm biodiesel properties via catalystâ€free partial hydrogenation using needleâ€plate dielectric barrier discharge plasma torch. International Journal of Energy Research, 2022, 46, 11756-11777.	4.5	2
12	Comprehensive Review on Potential Contamination in Fuel Ethanol Production with Proposed Specific Guideline Criteria. Energies, 2022, 15, 2986.	3.1	4
13	Effect of Co-Doping on Cu/CaO Catalysts for Selective Furfural Hydrogenation into Furfuryl Alcohol. Nanomaterials, 2022, 12, 1578.	4.1	5
14	Fine-tuned fabrication parameters of CaO catalyst pellets for transesterification of palm oil to biodiesel. Fuel, 2022, 323, 124356.	6.4	15
15	Development of CoMo-X catalysts for production of H2 and CNTs from biogas by integrative process. Journal of Environmental Chemical Engineering, 2022, 10, 107901.	6.7	3
16	Simultaneous production of hydrogen and carbon nanotubes from biogas over mono- and bimetallic catalyst. Journal of Environmental Chemical Engineering, 2022, 10, 107910.	6.7	17
17	Improved hydrogenation process for margarine production with no trans fatty acid formation by non-thermal plasma with needle-in-tube configuration. Journal of Food Engineering, 2022, 334, 111167.	5.2	4
18	Effect of CoMo metal loading on H2 and CNTs production from biogas by integrative process. International Journal of Hydrogen Energy, 2022, 47, 41444-41460.	7.1	2

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19	Reduction of bubble coalescence by louver baffles in fluidized bed gasifier. Energy Reports, 2022, 8, 96-106.	5.1	2
20	Thermally double coupled reactor coupling aqueous phase glycerol reforming and methanol synthesis. Catalysis Today, 2021, 375, 181-190.	4.4	10
21	Hydrogen and power generation via integrated bio-oil sorption-enhanced steam reforming and solid oxide fuel cell systems: Economic feasibility analysis. International Journal of Hydrogen Energy, 2021, 46, 11482-11493.	7.1	12
22	Techno-economic analysis of alternative processes for alcohol-assisted methanol synthesis from carbon dioxide and hydrogen. International Journal of Hydrogen Energy, 2021, 46, 24591-24606.	7.1	19
23	Catalytic performance of Ni catalysts supported on CeO2 with different morphologies for low-temperature CO2 methanation. Catalysis Today, 2021, 375, 234-244.	4.4	62
24	Design of hybrid pellet catalysts of WO3/Si-Al and PtIn/hydrotalcite via dehydrogenation and metathesis reactions for production of olefins from propane. Chemical Engineering Science, 2021, 229, 116025.	3.8	6
25	Improvement of oxidation stability of fatty acid methyl esters derived from soybean oil via partial hydrogenation using dielectric barrier discharge plasma. International Journal of Energy Research, 2021, 45, 4519-4533.	4.5	14
26	La2O3/CaO catalyst derived from eggshells: Effects of preparation method and La content on textural properties and catalytic activity for transesterification. Catalysis Communications, 2021, 149, 106247.	3.3	14
27	Development of sustainable integrated biorefinery networks in pulp and paper industries. Computer Aided Chemical Engineering, 2021, 50, 1517-1522.	0.5	1
28	Carbon dioxide reduction to synthetic fuel on zirconia supported copper-based catalysts and gibbs free energy minimization: Methanol and dimethyl ether synthesis. Journal of Environmental Chemical Engineering, 2021, 9, 104979.	6.7	9
29	Hydrogen-free hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over Ni and Co-promoted Cu/Î³-Al2O3 catalysts. Fuel Processing Technology, 2021, 214, 106721.	7.2	43
30	Continuous biodiesel production based on hand blender technology for sustainable household utilization. Journal of Cleaner Production, 2021, 297, 126737.	9.3	9
31	Catalytic pyrolysis of petroleum-based and biodegradable plastic waste to obtain high-value chemicals. Waste Management, 2021, 127, 101-111.	7.4	66
32	Natural Kaolin-Based Ni Catalysts for CO₂ Methanation: On the Effect of Ce Enhancement and Microwave-Assisted Hydrothermal Synthesis. ACS Omega, 2021, 6, 13779-13794.	3.5	22
33	Novel biorefinery-Integrated-Kraft-pulping network for sustainable development. Chemical Engineering and Processing: Process Intensification, 2021, 163, 108373.	3.6	12
34	Bifunctional Catalyst NiFeâ€“MgAl for Hydrogen Production from Chemical Looping Ethanol Reforming. Energy & Fuels, 2021, 35, 11580-11592.	5.1	12
35	Water influence on the kinetics of transesterification using CaO catalyst to produce biodiesel. Fuel, 2021, 296, 120653.	6.4	15
36	Low-temperature and atmospheric pressure plasma for palm biodiesel hydrogenation. Scientific Reports, 2021, 11, 14224.	3.3	11

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37	Low-cost alternative biodiesel production apparatus based on household food blender for continuous biodiesel production for small communities. Scientific Reports, 2021, 11, 13827.	3.3	11
38	Process and Energy Intensification of Glycerol Carbonate Production from Glycerol and Dimethyl Carbonate in the Presence of Eggshell-Derived CaO Heterogeneous Catalyst. Energies, 2021, 14, 4249.	3.1	7
39	A modified approach for high-quality RNA extraction of spore-forming Bacillus subtilis at varied physiological stages. Molecular Biology Reports, 2021, 48, 6757-6768.	2.3	1
40	Effect 3A and 5A molecular sieve on alcohol-assisted methanol synthesis from CO2 and H2 over Cu/ZnO catalyst. International Journal of Hydrogen Energy, 2021, 46, 30948-30958.	7.1	8
41	Simultaneous production of hydrogen and carbon nanotubes from biogas: On the effect of Ce addition to CoMo/MgO catalyst. International Journal of Hydrogen Energy, 2021, 46, 38175-38190.	7.1	10
42	Techno-economic analysis of hydrogen production from dehydrogenation and steam reforming of ethanol for carbon dioxide conversion to methanol. International Journal of Hydrogen Energy, 2021, 46, 30891-30902.	7.1	18
43	Techno-economic analysis of co-production of bio-hydrogenated diesel from palm oil and methanol. Energy Conversion and Management, 2021, 244, 114464.	9.2	4
44	High-efficiency biodiesel production using rotating tube reactor: New insight of operating parameters on hydrodynamic regime and biodiesel yield. Renewable and Sustainable Energy Reviews, 2021, 151, 111430.	16.4	9
45	Selective hydrogenolysis of furfural into fuel-additive 2-methylfuran over a rhenium-promoted copper catalyst. Sustainable Energy and Fuels, 2021, 5, 1379-1393.	4.9	13
46	Incorporation of diethyl ether production to existing bioethanol process: Techno-economic analysis. Journal of Cleaner Production, 2021, 327, 129438.	9.3	4
47	Performance comparison among different multifunctional reactors operated under energy self-sufficiency for sustainable hydrogen production from ethanol. International Journal of Hydrogen Energy, 2020, 45, 18309-18320.	7.1	11
48	Hydrogen production via chemical looping steam reforming of ethanol by Ni-based oxygen carriers supported on CeO2 and La2O3 promoted Al2O3. International Journal of Hydrogen Energy, 2020, 45, 1477-1491.	7.1	46
49	Techno-economic analysis of vanillin production from Kraft lignin: Feasibility study of lignin valorization. Bioresource Technology, 2020, 299, 122559.	9.6	52
50	Simulations of sorbent regeneration in a circulating fluidized bed system for sorption enhanced steam reforming with dolomite. Particuology, 2020, 50, 156-172.	3.6	8
51	Promotional role of MgO on sorptionâ€enhanced steam reforming of ethanol over Ni/CaO catalysts. AICHE Journal, 2020, 66, e16877.	3.6	31
52	Special Issue on â€œHydrogen Production Technologiesâ€• Processes, 2020, 8, 1268.	2.8	2
53	Different water removal methods for facilitating biodiesel production from low-cost waste cooking oil containing high water content in hybridized reactive distillation. Renewable Energy, 2020, 162, 1906-1918.	8.9	16
54	Phase transformation and electrical properties of bismuth oxide doped scandium cerium and gadolinium stabilized zirconia (0.5Gd0.5Ce10ScSZ) for solid oxide electrolysis cell. International Journal of Hydrogen Energy, 2020, 45, 29953-29965.	7.1	8

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55	Fe2O3/CaO-Al2O3 multifunctional catalyst for hydrogen production by sorption-enhanced chemical looping reforming of ethanol. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	6
56	Comparison of chemical reaction kinetic models for corn cob pyrolysis. Energy Reports, 2020, 6, 168-178.	5.1	13
57	Intrinsic kinetic study of 1-butene isomerization over magnesium oxide catalyst via a Berty stationary catalyst basket reactor. RSC Advances, 2020, 10, 36667-36677.	3.6	5
58	Systematic design of separation process for bioethanol production from corn stover. BMC Chemical Engineering, 2020, 2, .	3.4	12
59	Green Pathway in Utilizing CO2 via Cycloaddition Reaction with Epoxideâ€"A Mini Review. Processes, 2020, 8, 548.	2.8	68
60	Bi-metallic CuO-NiO based multifunctional material for hydrogen production from sorption-enhanced chemical looping autothermal reforming of ethanol. Chemical Engineering Journal, 2020, 398, 125543.	12.7	29
61	Solvent-Free Hydrodeoxygenation of Triglycerides to Diesel-like Hydrocarbons over Pt-Decorated MoO₂ Catalysts. ACS Omega, 2020, 5, 6956-6966.	3.5	19
62	Compact Heat Integrated Reactor System of Steam Reformer, Shift Reactor and Combustor for Hydrogen Production from Ethanol. Processes, 2020, 8, 708.	2.8	5
63	Process development of sustainable biorefinery system integrated into the existing pulping process. Journal of Cleaner Production, 2020, 255, 120278.	9.3	18
64	Catalyst pellet design of WO3/Si-Al and hydrotalcite binder for propylene self-metathesis. Catalysis Today, 2020, 358, 74-89.	4.4	2
65	Simultaneous Enhancement of Photocatalytic Bactericidal Activity and Strength Properties of Acrylonitrile-Butadiene-Styrene Plastic Via a Facile Preparation with Silane/TiO2. Polymers, 2020, 12, 917.	4.5	6
66	Differential Gene Expression Analysis of Aspergillus terreus Reveals Metabolic Response and Transcription Suppression under Dissolved Oxygen and pH Stress. Journal of Evolutionary Biochemistry and Physiology, 2020, 56, 577-586.	0.6	2
67	Structure development of Thailandâ€™s kaolin by mechanochemical technique. AIP Conference Proceedings, 2020, , .	0.4	0
68	Intensified processes of steam reforming and their materials for hydrogen production. , 2020, , 117-142.		0
69	Pyrolysis Kinetic Analysis of Biomasses: Sugarcane Residue, Corn Cob, Napier Grass and their Mixture. Engineering Journal, 2020, 24, 19-31.	1.0	3
70	Optimization of hydrogen production from three reforming approaches of glycerol via using supercritical water with in situ CO2 separation. International Journal of Hydrogen Energy, 2019, 44, 2128-2140.	7.1	24
71	Effect of CuO/ZnO catalyst preparation condition on alcohol-assisted methanol synthesis from carbon dioxide and hydrogen. International Journal of Hydrogen Energy, 2019, 44, 20782-20791.	7.1	20
72	Synthetic CaO-based sorbent for high-temperature CO2 capture in sorption-enhanced hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 20663-20677.	7.1	35

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73	Influence of CaO precursor on CO2 capture performance and sorption-enhanced steam ethanol reforming. International Journal of Hydrogen Energy, 2019, 44, 20649-20662.	7.1	28
74	Effect of strontium and zirconium doped barium cerate on the performance of proton ceramic electrolyser cell for syngas production from carbon dioxide and steam. International Journal of Hydrogen Energy, 2019, 44, 20634-20640.	7.1	5
75	Ordered mesoporous Ni/La2O3 catalysts with interfacial synergism towards CO2 activation in dry reforming of methane. Applied Catalysis B: Environmental, 2019, 259, 118092.	20.2	89
76	Deactivation of the preferential oxidation of CO in packed bed reactor by 3D modelling and near-infrared tomography. Chemical Engineering Journal, 2019, 378, 122082.	12.7	5
77	Simple and effective technology for sustainable biodiesel production using high-power household fruit blender. Journal of Cleaner Production, 2019, 237, 117842.	9.3	13
78	Liquidâ€“Liquid Phase Equilibria of Aqueous Biphasic Systems Based on Glycerol Formal: Application on Tetracycline Recovery from Water. Journal of Chemical & Engineering Data, 2019, 64, 4856-4862.	1.9	5
79	Performance evaluation of biogas upgrading systems from swine farm to biomethane production for renewable hydrogen source. International Journal of Hydrogen Energy, 2019, 44, 23135-23148.	7.1	25
80	Performance comparison of different membrane reactors for combined methanol synthesis and biogas upgrading. Chemical Engineering and Processing: Process Intensification, 2019, 136, 191-200.	3.6	10
81	Intensification of Continuous Biodiesel Production Using a Spinning Disc Reactor. Journal of Chemical Engineering of Japan, 2019, 52, 545-553.	0.6	6
82	Syngas Production from Combined Steam Gasification of Biochar and a Sorption-Enhanced Waterâ€“Gas Shift Reaction with the Utilization of CO2. Processes, 2019, 7, 349.	2.8	10
83	Effect of Water Content in Waste Cooking Oil on Biodiesel Production via Ester-transesterification in a Single Reactive Distillation. IOP Conference Series: Materials Science and Engineering, 2019, 559, 012014.	0.6	8
84	Comparative analysis of biomass and coal based co-gasification processes with and without CO2 capture for HT-PEMFCs. International Journal of Hydrogen Energy, 2019, 44, 2216-2229.	7.1	12
85	Solarâ€“Windâ€“Bio Ecosystem for Biomass Cascade Utilization with Multigeneration of Formic Acid, Hydrogen, and Graphene. ACS Sustainable Chemistry and Engineering, 2019, 7, 2558-2568.	6.7	19
86	Surfactant assisted CaO-based sorbent synthesis and their application to high-temperature CO2 capture. Powder Technology, 2019, 344, 208-221.	4.2	19
87	Incorporation of hydrogen by-product from NaOCH3 production for methanol synthesis via CO2 hydrogenation: Process analysis and economic evaluation. Journal of Cleaner Production, 2019, 212, 893-909.	9.3	23
88	Metabolic responses of Aspergillus terreus under low dissolved oxygen and pH levels. Annals of Microbiology, 2018, 68, 195-205.	2.6	4
89	An assessment of the longevity of samarium cobalt trioxide perovskite catalyst during the conversion of greenhouse gases into syngas. Journal of Cleaner Production, 2018, 185, 576-587.	9.3	13
90	Process and cost modeling of lactic acid recovery from fermentation broths by membrane-based process. Process Biochemistry, 2018, 68, 205-213.	3.7	41

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91	Theoretical aspects in structural distortion and the electronic properties of lithium peroxide under high pressure. Physical Chemistry Chemical Physics, 2018, 20, 9488-9497.	2.8	4
92	Molecular simulations of a CO2/CO mixture in MIL-127. Chemical Physics Letters, 2018, 696, 86-91.	2.6	11
93	Graphene Oxide and Microwave Synergism for Efficient Esterification of Fatty Acids. Energy & Fuels, 2018, 32, 3599-3607.	5.1	31
94	A modeling study of module arrangement and experimental investigation of single stage module for physical absorption of biogas using hollow fiber membrane contactors. Journal of Membrane Science, 2018, 549, 283-294.	8.2	12
95	Effect of pretreatment atmosphere of WO_x/SiO₂catalysts on metathesis of ethylene and 2-butene to propylene. RSC Advances, 2018, 8, 11693-11704.	3.6	23
96	Effect of calcium precursors on pelletized property and cyclic CO2 capture performance. MATEC Web of Conferences, 2018, 192, 03057.	0.2	0
97	Performance comparison of different cavitation reactors for biodiesel production via transesterification of palm oil. Journal of Cleaner Production, 2018, 205, 1094-1101.	9.3	31
98	Synthesis of glycerol carbonate from dimethyl carbonate and glycerol using CaO derived from eggshells. MATEC Web of Conferences, 2018, 192, 03045.	0.2	8
99	Integration of the biorefinery concept for the development of sustainable processes for pulp and paper industry. Computers and Chemical Engineering, 2018, 119, 70-84.	3.8	48
100	Parametric study of hydrogen production via sorption enhanced steam methane reforming in a circulating fluidized bed riser. Chemical Engineering Science, 2018, 192, 1041-1057.	3.8	22
101	Comparison of different kraft lignin-based vanillin production processes. Computers and Chemical Engineering, 2018, 117, 159-170.	3.8	27
102	Conceptual design and life cycle assessment of decentralized power generation by HT-PEMFC system with sorption enhanced water gas shift loop. Energy Conversion and Management, 2018, 171, 20-30.	9.2	21
103	Experimental study of dual fixed bed biochar-catalytic gasification with simultaneous feed of O2-steam-CO2 for synthesis gas or hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 14974-14986.	7.1	10
104	Factorial design analysis of parameters for the sorption-enhanced steam reforming of ethanol in a circulating fluidized bed riser using CFD. RSC Advances, 2018, 8, 24209-24230.	3.6	11
105	Effects of calcination and pretreatment temperatures on the catalytic activity and stability of H₂-treated WO₃/SiO₂ catalysts in metathesis of ethylene and 2-butene. RSC Advances, 2018, 8, 28555-28568.	3.6	13
106	Purification and Upgrading from Biogas to Biomethane. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2018, 97, 176-179.	0.2	1
107	Encapsulation of lemongrass oil with cyclodextrins by spray drying and its controlled release characteristics. Bioscience, Biotechnology and Biochemistry, 2017, 81, 718-723.	1.3	23
108	Optimal design of different reforming processes of the actual composition of bio-oil for high-temperature PEMFC systems. International Journal of Hydrogen Energy, 2017, 42, 1977-1988.	7.1	19

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109	A comparative study of sodium/hydrogen titanate nanotubes/nanoribbons on destruction of recalcitrant compounds and sedimentation. Journal of Cleaner Production, 2017, 148, 905-914.	9.3	9
110	Simulation of intensified process of sorption enhanced chemical-looping reforming of methane: Comparison with conventional processes. Computers and Chemical Engineering, 2017, 105, 237-245.	3.8	19
111	Exergoeconomics of hydrogen production from biomass air-steam gasification with methane co-feeding. Energy Conversion and Management, 2017, 140, 228-239.	9.2	74
112	Theoretical study of carbon dioxide adsorption and diffusion in MIL-127(Fe) metal organic framework. Chemical Physics, 2017, 491, 118-125.	1.9	13
113	Reduction of carbon dioxide via catalytic hydrogenation over copper-based catalysts modified by oyster shell-derived calcium oxide. Journal of Environmental Chemical Engineering, 2017, 5, 3115-3121.	6.7	16
114	Effect of Fe open metal site in metalâ€•organic frameworks on postâ€•combustion CO₂ capture performance. , 2017, 7, 383-394.		22
115	Epoxidation of methyl oleate in a TiO2 coated-wall capillary microreactor. Chemical Engineering Journal, 2017, 314, 594-599.	12.7	37
116	Modeling of thermally-coupled monolithic membrane reformer for vehicular hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 26308-26319.	7.1	4
117	Alternative Hydrocarbon Biofuel Production via Hydrotreating under a Synthesis Gas Atmosphere. Energy & Fuels, 2017, 31, 12256-12262.	5.1	15
118	Nickel sulfide, nickel phosphide and nickel carbide catalysts for bio-hydrotreated fuel production. Energy Conversion and Management, 2017, 151, 324-333.	9.2	63
119	Process design of biodiesel production: Hybridization of ester-and transesterification in a single reactive distillation. Energy Conversion and Management, 2017, 153, 493-503.	9.2	40
120	Characterization of D-lactic acid, spore-forming bacteria and Terrilactibacillus laevilacticus SK5-6 as potential industrial strains. Annals of Microbiology, 2017, 67, 763-778.	2.6	10
121	A homofermentative Bacillus sp. BC-001 and its performance as a potential l-lactate industrial strain. Bioprocess and Biosystems Engineering, 2017, 40, 1787-1799.	3.4	8
122	Analytical study of membrane wetting at high operating pressure for physical absorption of CO2 using hollow fiber membrane contactors. Chemical Engineering Research and Design, 2017, 126, 265-277.	5.6	10
123	H2 production from sorption enhanced steam reforming of biogas using multifunctional catalysts of Ni over Zr-, Ce- and La-modified CaO sorbents. Chemical Engineering Journal, 2017, 313, 1415-1425.	12.7	53
124	Enhanced effectiveness of Rhizopus oryzae by immobilization in a static bed fermentor for l -lactic acid production. Process Biochemistry, 2017, 52, 44-52.	3.7	18
125	Measurement of Solubility and Physical Properties of Aqueous Solution of 2-(Diethylamino)ethanol for CO 2 Capture. Energy Procedia, 2017, 142, 3625-3630.	1.8	4
126	Two-Dimensional Modeling of the Oxidative Coupling of Methane in a Fixed Bed Reactor: A Comparison among Different Catalysts. Engineering Journal, 2017, 21, 77-99.	1.0	2

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127	System Efficiency Analysis of SOFC Coupling with Air, Mixed Air-Steam and Steam Gasification Fueled by Thailand Rice Husk. Engineering Journal, 2017, 21, 95-110.	1.0	0
128	High Faradaic Yields of Non-Faradaic Electrochemical Modification of Catalytic Activity of Propane Oxidation at Pt-YSZ. Journal of the Electrochemical Society, 2016, 163, E341-E343.	2.9	1
129	Activity and stability performance of multifunctional catalyst (Ni/CaO and Ni/Ca12Al14O33CaO) for bio-hydrogen production from sorption enhanced biogas steam reforming. International Journal of Hydrogen Energy, 2016, 41, 7318-7331.	7.1	42
130	Role of ultrasonic irradiation on transesterification of palm oil using calcium oxide as a solid base catalyst. Energy Conversion and Management, 2016, 120, 62-70.	9.2	48
131	Effect of flow arrangement on micro membrane reforming for H 2 production from methane. Chemical Engineering Journal, 2016, 293, 319-326.	12.7	13
132	Analysis of thermally coupling steam and tri-reforming processes for the production of hydrogen from bio-oil. International Journal of Hydrogen Energy, 2016, 41, 18370-18379.	7.1	22
133	Comparison of physically mixed and separated MgO and WO3/SiO2 catalyst for propylene production via 1-butene metathesis. Korean Journal of Chemical Engineering, 2016, 33, 2842-2848.	2.7	3
134	Kinetics and reactive stripping modelling of hydrogen isotopic exchange of deuterated waters. Chemical Engineering and Processing: Process Intensification, 2016, 108, 58-73.	3.6	6
135	Using glycerol for hydrogen production via sorption-enhanced chemical looping reforming: Thermodynamic analysis. Energy Conversion and Management, 2016, 124, 325-332.	9.2	35
136	Optimal design and performance analyses of the glycerol ether production process using a reactive distillation column. Journal of Industrial and Engineering Chemistry, 2016, 43, 93-105.	5.8	13
137	Catalytic Activity of Bimetallic Cu-Ag/MgO-SiO2 Toward the Conversion of Ethanol to 1,3-Butadiene. International Journal of Chemical Reactor Engineering, 2016, 14, 945-954.	1.1	14
138	Oil extracted from spent coffee grounds for bio-hydrotreated diesel production. Energy Conversion and Management, 2016, 126, 1028-1036.	9.2	88
139	Performance evaluation of different combined systems of biochar gasifier, reformer and CO 2 capture unit for synthesis gas production. International Journal of Hydrogen Energy, 2016, 41, 13408-13418.	7.1	10
140	Enhanced performance of solid oxide electrolysis cells by integration with a partial oxidation reactor: Energy and exergy analyses. Energy Conversion and Management, 2016, 129, 189-199.	9.2	21
141	Investigation of Biogas Decomposition Process for Fuel Cell Applications (PEMFC and SOFC): Thermodynamic Approach. Journal of Chemical Engineering of Japan, 2016, 49, 728-733.	0.6	2
142	Process integration of dimethyl carbonate and ethylene glycol production from biomass and heat exchanger network design. Chemical Engineering and Processing: Process Intensification, 2016, 107, 80-93.	3.6	9
143	Performance evaluation of sorption enhanced chemical-looping reforming for hydrogen production from biomass with modification of catalyst and sorbent regeneration. Chemical Engineering Journal, 2016, 303, 338-347.	12.7	50
144	Correlative effect of dissolved oxygen and key enzyme inhibitors responsible for l-lactate production by immobilized Rhizopus oryzae NRRL395 cultivated in a static bed bioreactor. Process Biochemistry, 2016, 51, 204-212.	3.7	5

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145	Systematic methods and tools for design of sustainable chemical processes for CO2 utilization. Computers and Chemical Engineering, 2016, 87, 125-144.	3.8	28
146	Metals (Mg, Sr and Al) modified CaO based sorbent for CO 2 sorption/desorption stability in fixed bed reactor for high temperature application. Chemical Engineering Journal, 2016, 284, 1212-1223.	12.7	60
147	Two-Dimensional Mathematical Modeling of the Oxidative Coupling of Methane in a Membrane Reactor. Engineering Journal, 2016, 20, 17-33.	1.0	4
148	Gas Flow Visualization in Low Aspect Ratio Packed Beds by Three-Dimensional Modeling and Near-Infrared Tomography. Industrial & Engineering Chemistry Research, 2015, 54, 12714-12729.	3.7	10
149	Evaluation of Dimethyl Carbonate and Ethylene Glycol Production from Biomass. Computer Aided Chemical Engineering, 2015, 37, 1295-1300.	0.5	0
150	Integrated flow reactor that combines high-shear mixing and microwave irradiation for biodiesel production. Biomass and Bioenergy, 2015, 77, 186-191.	5.7	38
151	Modification of Green Calcium Oxide and Characteristics for Clean Energy Catalysts. Energy Procedia, 2015, 79, 685-690.	1.8	5
152	Techno-economic evaluation of different CO2-based processes for dimethyl carbonate production. Chemical Engineering Research and Design, 2015, 93, 496-510.	5.6	102
153	Comparison between parallel and checked arrangements of micro reformer for H2 production from methane. Chemical Engineering Journal, 2015, 268, 135-143.	12.7	16
154	Parametric analysis of a circulating fluidized bed biomass gasifier for hydrogen production. Energy, 2015, 82, 406-413.	8.8	23
155	Biodiesel production in a novel continuous flow microwave reactor. Renewable Energy, 2015, 83, 25-29.	8.9	95
156	Ceria-promoted Ni/SBA-15 catalysts for ethanol steam reforming with enhanced activity and resistance to deactivation. Applied Catalysis B: Environmental, 2015, 176-177, 532-541.	20.2	270
157	Catalytic behaviors of Ni/Î³-Al₂O₃and Co/Î³-Al₂O₃during the hydrodeoxygenation of palm oil. Catalysis Science and Technology, 2015, 5, 3693-3705.	4.1	96
158	Sustainable Process Design. Computer Aided Chemical Engineering, 2015, 36, 175-195.	0.5	11
159	Process design of continuous biodiesel production by reactive distillation: Comparison between homogeneous and heterogeneous catalysts. Chemical Engineering and Processing: Process Intensification, 2015, 92, 33-44.	3.6	78
160	Hydrodynamics of countercurrent gasâ€“liquid flow in inclined packed beds â€“ A prospect for stretching flooding capacity with small packings. Chemical Engineering Science, 2015, 138, 256-265.	3.8	25
161	Performance of an improved combination unit of Pd-membrane methane steam reformer and intermediate temperature solid oxide fuel cell (C-Pd-ITSOFC). International Journal of Hydrogen Energy, 2015, 40, 1894-1901.	7.1	7
162	Roles of monometallic catalysts in hydrodeoxygenation of palm oil to green diesel. Chemical Engineering Journal, 2015, 278, 249-258.	12.7	180

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163	Synthesis of Na2WO4-Mn Supported YSZ as a Potential Anode Catalyst for Oxidative Coupling of Methane in SOFC Reactor. Engineering Journal, 2015, 19, 13-20.	1.0	7
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