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List of Publications by Year in Descending Order

328 papers	7,079 citations	41 h-index	66 g-index
343 ext. papers	8,062 ext. citations	6.2 avg, IF	6.33 L-index

#	Paper	IF	Citations
328	Simple Fabrication of a Continuous-Flow Photocatalytic Reactor Using Dopamine-Assisted Immobilization onto a Fluoropolymer Tubing. *Industrial & Engineering Chemistry Research*, **2022**, 61, 1322-1331	3.9	1
327	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	1.5	1
326	Overview of biorefinery **2022**, 3-32		0
325	Bioresources and biofuels From classical to perspectives and trends **2022**, 165-220		0
324	Complete design case study for pulp and paper industry **2022**, 641-681		
323	Pyrolysis kinetic parameters investigation of single and tri-component biomass: Models fitting via comparative model-free methods. *Renewable Energy*, **2022**, 182, 494-507	8.1	4
322	Catalytic Hydrotreating of Crude Pongamia pinnata Oil to Bio-Hydrogenated Diesel over Sulfided NiMo Catalyst. *Energies*, **2022**, 15, 1547	3.1	0
321	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	2
320	Comprehensive Review on Potential Contamination in Fuel Ethanol Production with Proposed Specific Guideline Criteria. *Energies*, **2022**, 15, 2986	3.1	1
319	Mainstream Strategies for Biodiesel Production **2022**, 311-330		
318	Fine-tuned fabrication parameters of CaO catalyst pellets for transesterification of palm oil to biodiesel. *Fuel*, **2022**, 323, 124356	7.1	0
317	Development of CoMo-X catalysts for production of H2 and CNTs from biogas by integrative process. *Journal of Environmental Chemical Engineering*, **2022**, 107901	6.8	0
316	Simultaneous production of hydrogen and carbon nanotubes from biogas over mono- and bimetallic catalyst. *Journal of Environmental Chemical Engineering*, **2022**, 107910	6.8	0
315	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**, 111167	6	0
314	Incorporation of diethyl ether production to existing bioethanol process: Techno-economic analysis. *Journal of Cleaner Production*, **2021**, 327, 129438	10.3	0
313	Hydrogen-free hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over Ni and Co-promoted Cu/Al2O3 catalysts. *Fuel Processing Technology*, **2021**, 214, 106721	7.2	11
312	Continuous biodiesel production based on hand blender technology for sustainable household utilization. *Journal of Cleaner Production*, **2021**, 297, 126737	10.3	4

311	Catalytic pyrolysis of petroleum-based and biodegradable plastic waste to obtain high-value chemicals. *Waste Management*, **2021**, 127, 101-111	8.6	13
310	Natural Kaolin-Based Ni Catalysts for CO Methanation: On the Effect of Ce Enhancement and Microwave-Assisted Hydrothermal Synthesis. *ACS Omega*, **2021**, 6, 13779-13794	3.9	7
309	Novel biorefinery-Integrated-Kraft-pulping network for sustainable development. *Chemical Engineering and Processing: Process Intensification*, **2021**, 163, 108373	3.7	2
308	Bifunctional Catalyst NiFeMgAl for Hydrogen Production from Chemical Looping Ethanol Reforming. *Energy & Fuels*, **2021**, 35, 11580-11592	4.1	4
307	Water influence on the kinetics of transesterification using CaO catalyst to produce biodiesel. *Fuel*, **2021**, 296, 120653	7.1	4
306	Low-temperature and atmospheric pressure plasma for palm biodiesel hydrogenation. *Scientific Reports*, **2021**, 11, 14224	4.9	3
305	Thermally double coupled reactor coupling aqueous phase glycerol reforming and methanol synthesis. *Catalysis Today*, **2021**, 375, 181-190	5.3	6
304	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	6.7	6
303	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	6.7	9
302	Catalytic performance of Ni catalysts supported on CeO2 with different morphologies for low-temperature CO2 methanation. *Catalysis Today*, **2021**, 375, 234-244	5.3	16
301	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	4.4	4
300	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	9
299	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	3.2	5
298	Development of sustainable integrated biorefinery networks in pulp and paper industries. *Computer Aided Chemical Engineering*, **2021**, 50, 1517-1522	0.6	
297	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	6.8	0
296	Low-cost alternative biodiesel production apparatus based on household food blender for continuous biodiesel production for small communities. *Scientific Reports*, **2021**, 11, 13827	4.9	3
295	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	4
294	A modified approach for high-quality RNA extraction of spore-forming Bacillus subtilis at varied physiological stages. *Molecular Biology Reports*, **2021**, 48, 6757-6768	2.8	0

293	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	6.7	2
292	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, 38175-38175	6.7	2
291	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	6.7	3
290	Techno-economic analysis of co-production of bio-hydrogenated diesel from palm oil and methanol. *Energy Conversion and Management*, **2021**, 244, 114464	10.6	1
289	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	16.2	3
288	Selective hydrogenolysis of furfural into fuel-additive 2-methylfuran over a rhenium-promoted copper catalyst. *Sustainable Energy and Fuels*, **2021**, 5, 1379-1393	5.8	2
287	Comparison of chemical reaction kinetic models for corn cob pyrolysis. *Energy Reports*, **2020**, 6, 168-178	4.6	4
286	Intrinsic kinetic study of 1-butene isomerization over magnesium oxide catalyst a Berty stationary catalyst basket reactor.. *RSC Advances*, **2020**, 10, 36667-36677	3.7	2
285	Systematic design of separation process for bioethanol production from corn stover. *BMC Chemical Engineering*, **2020**, 2,	3.5	4
284	Green Pathway in Utilizing CO2 via Cycloaddition Reaction with Epoxide: A Mini Review. *Processes*, **2020**, 8, 548	2.9	26
283	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	14.7	16
282	Solvent-Free Hydrodeoxygenation of Triglycerides to Diesel-like Hydrocarbons over Pt-Decorated MoO Catalysts. *ACS Omega*, **2020**, 5, 6956-6966	3.9	10
281	Compact Heat Integrated Reactor System of Steam Reformer, Shift Reactor and Combustor for Hydrogen Production from Ethanol. *Processes*, **2020**, 8, 708	2.9	2
280	Process development of sustainable biorefinery system integrated into the existing pulping process. *Journal of Cleaner Production*, **2020**, 255, 120278	10.3	13
279	Catalyst pellet design of WO3/Si-Al and hydrotalcite binder for propylene self-metathesis. *Catalysis Today*, **2020**, 358, 74-89	5.3	2
278	Simultaneous Enhancement of Photocatalytic Bactericidal Activity and Strength Properties of Acrylonitrile-Butadiene-Styrene Plastic Via a Facile Preparation with Silane/TiO. *Polymers*, **2020**, 12,	4.5	2
277	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	0.5	1
276	Intensified processes of steam reforming and their materials for hydrogen production **2020**, 117-142		

275	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	6.7	26
274	Techno-economic analysis of vanillin production from Kraft lignin: Feasibility study of lignin valorization. *Bioresource Technology*, **2020**, 299, 122559	11	25
273	Simulations of sorbent regeneration in a circulating fluidized bed system for sorption enhanced steam reforming with dolomite. *Particuology*, **2020**, 50, 156-172	2.8	3
272	Promotional role of MgO on sorption-enhanced steam reforming of ethanol over Ni/CaO catalysts. *AICHE Journal*, **2020**, 66, e16877	3.6	16
271	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	8.1	7
270	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	6.7	0
269	Fe2O3/CaO-Al2O3 multifunctional catalyst for hydrogen production by sorption-enhanced chemical looping reforming of ethanol. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	3
268	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	6.7	7
267	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	6.7	18
266	Performance comparison of different membrane reactors for combined methanol synthesis and biogas upgrading. *Chemical Engineering and Processing: Process Intensification*, **2019**, 136, 191-200	3.7	6
265	Intensification of Continuous Biodiesel Production Using a Spinning Disc Reactor. *Journal of Chemical Engineering of Japan*, **2019**, 52, 545-553	0.8	3
264	Syngas Production from Combined Steam Gasification of Biochar and a Sorption-Enhanced Water Gas Shift Reaction with the Utilization of CO2. *Processes*, **2019**, 7, 349	2.9	6
263	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	6.7	18
262	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	6.7	11
261	Synthetic CaO-based sorbent for high-temperature CO2 capture in sorption-enhanced hydrogen production. *International Journal of Hydrogen Energy*, **2019**, 44, 20663-20677	6.7	28
260	Influence of CaO precursor on CO2 capture performance and sorption-enhanced steam ethanol reforming. *International Journal of Hydrogen Energy*, **2019**, 44, 20649-20662	6.7	19
259	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	6.7	3
258	Ordered mesoporous Ni/La2O3 catalysts with interfacial synergism towards CO2 activation in dry reforming of methane. *Applied Catalysis B: Environmental*, **2019**, 259, 118092	21.8	48

257	Deactivation of the preferential oxidation of CO in packed bed reactor by 3D modelling and near-infrared tomography. *Chemical Engineering Journal*, **2019**, 378, 122082	14.7	2
256	Simple and effective technology for sustainable biodiesel production using high-power household fruit blender. *Journal of Cleaner Production*, **2019**, 237, 117842	10.3	11
255	Liquid–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	2.8	5
254	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	0.4	6
253	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	6.7	5
252	Solar–Wind–Bio Ecosystem for Biomass Cascade Utilization with Multigeneration of Formic Acid, Hydrogen, and Graphene. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2558-2568	8.3	12
251	Surfactant assisted CaO-based sorbent synthesis and their application to high-temperature CO2 capture. *Powder Technology*, **2019**, 344, 208-221	5.2	12
250	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	10.3	15
249	Metabolic responses of Aspergillus terreus under low dissolved oxygen and pH levels. *Annals of Microbiology*, **2018**, 68, 195-205	3.2	2
248	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	10.3	10
247	Process and cost modeling of lactic acid recovery from fermentation broths by membrane-based process. *Process Biochemistry*, **2018**, 68, 205-213	4.8	28
246	Theoretical aspects in structural distortion and the electronic properties of lithium peroxide under high pressure. *Physical Chemistry Chemical Physics*, **2018**, 20, 9488-9497	3.6	2
245	Molecular simulations of a CO2/CO mixture in MIL-127. *Chemical Physics Letters*, **2018**, 696, 86-91	2.5	7
244	Graphene Oxide and Microwave Synergism for Efficient Esterification of Fatty Acids. *Energy & Fuels*, **2018**, 32, 3599-3607	4.1	25
243	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	9.6	7
242	Effect of pretreatment atmosphere of WO /SiO catalysts on metathesis of ethylene and 2-butene to propylene.. *RSC Advances*, **2018**, 8, 11693-11704	3.7	13
241	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	6.7	8
240	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	3.7	7

239	Effects of calcination and pretreatment temperatures on the catalytic activity and stability of H-treated WO/SiO catalysts in metathesis of ethylene and 2-butene.. *RSC Advances*, **2018**, 8, 28555-28568	3.7	10
238	Purification and Upgrading from Biogas to Biomethane. *Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy*, **2018**, 97, 176-179	0.5	0
237	Effect of calcium precursors on pelletized property and cyclic CO2 capture performance. *MATEC Web of Conferences*, **2018**, 192, 03057	0.3	
236	Performance comparison of different cavitation reactors for biodiesel production via transesterification of palm oil. *Journal of Cleaner Production*, **2018**, 205, 1094-1101	10.3	24
235	Synthesis of glycerol carbonate from dimethyl carbonate and glycerol using CaO derived from eggshells. *MATEC Web of Conferences*, **2018**, 192, 03045	0.3	6
234	Integration of the biorefinery concept for the development of sustainable processes for pulp and paper industry. *Computers and Chemical Engineering*, **2018**, 119, 70-84	4	31
233	Parametric study of hydrogen production via sorption enhanced steam methane reforming in a circulating fluidized bed riser. *Chemical Engineering Science*, **2018**, 192, 1041-1057	4.4	17
232	Comparison of different kraft lignin-based vanillin production processes. *Computers and Chemical Engineering*, **2018**, 117, 159-170	4	16
231	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	10.6	16
230	Encapsulation of lemongrass oil with cyclodextrins by spray drying and its controlled release characteristics. *Bioscience, Biotechnology and Biochemistry*, **2017**, 81, 718-723	2.1	19
229	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	6.7	16
228	A comparative study of sodium/hydrogen titanate nanotubes/nanoribbons on destruction of recalcitrant compounds and sedimentation. *Journal of Cleaner Production*, **2017**, 148, 905-914	10.3	7
227	Simulation of intensified process of sorption enhanced chemical-looping reforming of methane: Comparison with conventional processes. *Computers and Chemical Engineering*, **2017**, 105, 237-245	4	16
226	Exergoeconomics of hydrogen production from biomass air-steam gasification with methane co-feeding. *Energy Conversion and Management*, **2017**, 140, 228-239	10.6	46
225	Theoretical study of carbon dioxide adsorption and diffusion in MIL-127(Fe) metal organic framework. *Chemical Physics*, **2017**, 491, 118-125	2.3	9
224	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	6.8	13
223	Effect of Fe open metal site in metal-organic frameworks on post-combustion CO2 capture performance **2017**, 7, 383-394		16
222	Epoxidation of methyl oleate in a TiO2 coated-wall capillary microreactor. *Chemical Engineering Journal*, **2017**, 314, 594-599	14.7	28

221	Modeling of thermally-coupled monolithic membrane reformer for vehicular hydrogen production. *International Journal of Hydrogen Energy*, **2017**, 42, 26308-26319	6.7	2
220	Alternative Hydrocarbon Biofuel Production via Hydrotreating under a Synthesis Gas Atmosphere. *Energy & Fuels*, **2017**, 31, 12256-12262	4.1	12
219	Nickel sulfide, nickel phosphide and nickel carbide catalysts for bio-hydrotreated fuel production. *Energy Conversion and Management*, **2017**, 151, 324-333	10.6	45
218	Process design of biodiesel production: Hybridization of ester-and transesterification in a single reactive distillation. *Energy Conversion and Management*, **2017**, 153, 493-503	10.6	33
217	Characterization of D-lactic acid, spore-forming bacteria and Terrilactibacillus laevilacticus SK5-6 as potential industrial strains. *Annals of Microbiology*, **2017**, 67, 763-778	3.2	5
216	A homofermentative Bacillus sp. BC-001 and its performance as a potential L-lactate industrial strain. *Bioprocess and Biosystems Engineering*, **2017**, 40, 1787-1799	3.7	2
215	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	5.5	7
214	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	14.7	38
213	Enhanced effectiveness of Rhizopus oryzae by immobilization in a static bed fermentor for l-lactic acid production. *Process Biochemistry*, **2017**, 52, 44-52	4.8	14
212	Measurement of Solubility and Physical Properties of Aqueous Solution of 2-(Diethylamino)ethanol for CO2 Capture. *Energy Procedia*, **2017**, 142, 3625-3630	2.3	4
211	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	1.8	2
210	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	6.3	10
209	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	1.2	14
208	Oil extracted from spent coffee grounds for bio-hydrotreated diesel production. *Energy Conversion and Management*, **2016**, 126, 1028-1036	10.6	73
207	Integrated Solid Oxide Fuel Cell Systems for Electrical Power Generation A Review **2016**, 526-546		1
206	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	6.7	9
205	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	10.6	18
204	Investigation of Biogas Decomposition Process for Fuel Cell Applications (PEMFC and SOFC): Thermodynamic Approach. *Journal of Chemical Engineering of Japan*, **2016**, 49, 728-733	0.8	2

203	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	3.7	7
202	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	14.7	42
201	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	4.8	3
200	Systematic methods and tools for design of sustainable chemical processes for CO2 utilization. *Computers and Chemical Engineering*, **2016**, 87, 125-144	4	25
199	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	14.7	46
198	Two-Dimensional Mathematical Modeling of the Oxidative Coupling of Methane in a Membrane Reactor. *Engineering Journal*, **2016**, 20, 17-33	1.8	4
197	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	3.9	1
196	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	6.7	33
195	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	10.6	41
194	Effect of flow arrangement on micro membrane reforming for H 2 production from methane. *Chemical Engineering Journal*, **2016**, 293, 319-326	14.7	11
193	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	6.7	21
192	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	2.8	3
191	Kinetics and reactive stripping modelling of hydrogen isotopic exchange of deuterated waters. *Chemical Engineering and Processing: Process Intensification*, **2016**, 108, 58-73	3.7	4
190	Using glycerol for hydrogen production via sorption-enhanced chemical looping reforming: Thermodynamic analysis. *Energy Conversion and Management*, **2016**, 124, 325-332	10.6	31
189	Parametric analysis of a circulating fluidized bed biomass gasifier for hydrogen production. *Energy*, **2015**, 82, 406-413	7.9	16
188	Biodiesel production in a novel continuous flow microwave reactor. *Renewable Energy*, **2015**, 83, 25-29	8.1	76
187	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	21.8	235
186	Catalytic behaviors of Ni/γAl2O3 and Co/γAl2O3 during the hydrodeoxygenation of palm oil. *Catalysis Science and Technology*, **2015**, 5, 3693-3705	5.5	64

185	Sustainable Process Design: Sustainable Process Networks for Carbon Dioxide Conversion. *Computer Aided Chemical Engineering*, **2015**, 36, 175-195	0.6	9
184	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	3.7	57
183	Hydrodynamics of countercurrent gas□quid flow in inclined packed beds □A prospect for stretching flooding capacity with small packings. *Chemical Engineering Science*, **2015**, 138, 256-265	4.4	24
182	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	6.7	7
181	Roles of monometallic catalysts in hydrodeoxygenation of palm oil to green diesel. *Chemical Engineering Journal*, **2015**, 278, 249-258	14.7	130
180	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	3.9	10
179	Evaluation of Dimethyl Carbonate and Ethylene Glycol Production from Biomass. *Computer Aided Chemical Engineering*, **2015**, 37, 1295-1300	0.6	
178	Integrated flow reactor that combines high-shear mixing and microwave irradiation for biodiesel production. *Biomass and Bioenergy*, **2015**, 77, 186-191	5.3	33
177	Modification of Green Calcium Oxide and Characteristics for Clean Energy Catalysts. *Energy Procedia*, **2015**, 79, 685-690	2.3	4
176	Techno-economic evaluation of different CO2-based processes for dimethyl carbonate production. *Chemical Engineering Research and Design*, **2015**, 93, 496-510	5.5	73
175	Comparison between parallel and checked arrangements of micro reformer for H2 production from methane. *Chemical Engineering Journal*, **2015**, 268, 135-143	14.7	12
174	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	1.8	4
173	Oxidative Coupling of Methane over YSZ Support Catalysts for Application in C2 Hydrocarbon Production. *Engineering Journal*, **2015**, 19, 1-11	1.8	4
172	Preparation of Au/C catalysts using microwave-assisted and ultrasonic-assisted methods for acetylene hydrochlorination. *Applied Catalysis A: General*, **2014**, 475, 292-296	5.1	27
171	Biodiesel production from palm oil using combined mechanical stirred and ultrasonic reactor. *Ultrasonics Sonochemistry*, **2014**, 21, 1585-91	8.9	53
170	Production of bio-hydrogenated diesel by catalytic hydrotreating of palm oil over NiMoS2/□Al2O3 catalyst. *Bioresource Technology*, **2014**, 158, 81-90	11	118
169	Simulation and thermodynamic analysis of chemical looping reforming and CO2 enhanced chemical looping reforming. *Chemical Engineering Research and Design*, **2014**, 92, 2575-2583	5.5	29
168	Thermodynamic analysis of biomass gasification with CO2 recycle for synthesis gas production. *Applied Energy*, **2014**, 114, 10-17	10.7	67

167	Using a membrane reactor for the oxidative coupling of methane: simulation and optimization. *Clean Technologies and Environmental Policy*, **2014**, 16, 1295-1306	4.3	6
166	PERFORMANCE OF SODIUM-IMPREGNATED ACTIVATED CARBONS TOWARD LOW AND HIGH TEMPERATURE H2S ADSORPTION. *Chemical Engineering Communications*, **2014**, 201, 257-271	2.2	14
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