

PUBLICATION LIST SCOPUS FFKSA

Authors	Title	Year	Journal	Volume	Issue	Page start	Page end
Abu Sepian N.R., Mat Yasin N.H., Zainol N., Rushan N.H., Ahmad A.L.	Fatty acid profile from immobilised <i>Chlorella vulgaris</i> cells in different matrices	2017	Environmental Technology (United Kingdom)			1	8
Olalere O.A., Abdurahman N.H., Alara O.R.	Extraction, radical scavenging activities and physicochemical fingerprints of black pepper (<i>Piper nigrum</i>) extract	2017	Journal of Food Measurement and Characterization	11	4	2195	2201
Sallehuddin T.N.A.T., Seman M.N.A.	Modification of thin film composite nanofiltration membrane using silver nanoparticles: Preparation, characterization and antibacterial performance	2017	Journal of Membrane Science and Research	3	1	29	35
Ayodele B.V., Khan M.R., Cheng C.K.	Greenhouse gases abatement by catalytic dry reforming of methane to syngas over samarium oxide-supported cobalt catalyst	2017	International Journal of Environmental Science and Technology	14	12	2769	2782
Akindoyo J.O., Beg M.D.H., Ghazali S., Heim H.P., Feldmann M.	Effects of surface modification on dispersion, mechanical, thermal and dynamic mechanical properties of injection molded PLA-hydroxyapatite composites	2017	Composites Part A: Applied Science and Manufacturing	103		96	105
Abdulrazik A., Noor M.Z.M., Failaka M.F., Elkamel M., Elkamel A.	Utilising biomass for renewable energy production: Optimal profitability evaluation from different processing routes	2017	Journal of Mechanical Engineering and Sciences	11	4	3046	3057
Abdullah H., Khan M.M.R., Ong H.R., Yaakob Z.	Modified TiO ₂ photocatalyst for CO ₂ photocatalytic reduction: An overview	2017	Journal of CO ₂ Utilization	22		15	32
Abdulrazik A., Elsholkami M., Elkamel A., Simon L.	Multi-products productions from Malaysian oil palm empty fruit bunch (EFB): Analyzing economic potentials from the optimal biomass supply chain	2017	Journal of Cleaner Production	168		131	148
Sulaiman S.Z., Kasmani R.M., Mustafa A., Abdul Mudalip S.K., Che Man R., Shaarani S.Md., Mohd. Arshad Z.I., Noor Azmi N.S., Harinder Khan N.A.M.	Effect of pipe size on acetylene flame propagation in a closed straight pipe	2017	Journal of Mechanical Engineering and Sciences	11	4	3095	3103

Mohammad K.A., Abd Rahim S., Abu Bakar M.R.	Kinetics and nucleation mechanism of carbamazepine–saccharin co-crystals in ethanol solution	2017	Journal of Thermal Analysis and Calorimetry	130	3	1663	1669
Ayodele B.V., Abdullah S.B., Cheng C.K.	Kinetics and mechanistic studies of CO-rich hydrogen production by CH ₄ /CO ₂ reforming over Praseodymia supported cobalt catalysts	2017	International Journal of Hydrogen Energy	42	47	28408	28424
Ghazali W.B.M., Idris D.M.N.B.D., Sofian A.H.B., Basrawi M.F.B., Ibrahim T.K.	Investigation on wear characteristic of biopolymer gear	2017	IOP Conference Series: Materials Science and Engineering	257	1		
Maryudi, Dewayanto N., Beg M.D.H., Yunus R.M.	Comparison of manganese laurate, manganese palmitate and manganese stearate on accelerating degradation of HDPE during natural weathering	2017	Jurnal Teknologi	79	7	123	130
Saharudin S.H., Shariffuddin J.H., Nordin N.I.A.A.	Biocomposites from (Anadara granosa) shells waste for bone material applications	2017	IOP Conference Series: Materials Science and Engineering	257	1		
Sharma S., Gupta A., Chik S.M.S.T., Kee C.G., Mistry B.M., Kim D.H., Sharma G.	Characterization of keratin microparticles from feather biomass with potent antioxidant and anticancer activities	2017	International Journal of Biological Macromolecules	104		189	196
Habeeb O.A., Kanthasamy R., Ali G.A.M., Yunus R.M.	Application of response surface methodology for optimization of palm kernel shell activated carbon preparation factors for removal of H ₂ S from industrial wastewater	2017	Jurnal Teknologi	79	7	1	10
Zainal Abidin A.S., Yusoh K., Jamari S.S., Abdullah A.H., Ismail Z.	Surface functionalization of graphene oxide with octadecylamine for improved thermal and mechanical properties in polybutylene succinate nanocomposite	2017	Polymer Bulletin			1	24
Muslim M.B., Saleh S., Abdul Samad N.A.F.	Torrefied Biomass Gasification: A Simulation Study by Using Empty Fruit Bunch	2017	MATEC Web of Conferences	131			
Majid A.A.A., Wu D.T., Koh C.A.	New in Situ Measurements of the Viscosity of Gas Clathrate Hydrate Slurries Formed from Model Water-in-Oil Emulsions	2017	Langmuir	33	42	11436	11445

Jiwanuruk T., Putivisutisak S., Vas-Umnuy P., Bumroongsakulsawat P., Cheng C.K., Assabumrungrat S.	Modeling of thermally-coupled monolithic membrane reformer for vehicular hydrogen production	2017	International Journal of Hydrogen Energy	42	42	26308	26319
Ridzuan N., Al-Mahfadi M.	Evaluation on the effects of wax inhibitor and optimization of operating parameters for wax deposition in Malaysian crude oil	2017	Petroleum Science and Technology	35	20	1945	1950
Islam M.A., Woon C.W., Ethiraj B., Cheng C.K., Yousuf A., Khan M.M.R.	Correlation of power generation with time-course biofilm architecture using Klebsiella variicola in dual chamber microbial fuel cell	2017	International Journal of Hydrogen Energy	42	41	25933	25941
Hong C.S., Lau C.C.Y., Leong C.Y., Chua G.K., Chin S.Y.	A comparison of entrapped and covalently bonded laccase: Study of its leakage, reusability, and the catalytic efficiency in TEMPO-mediated glycerol oxidation	2017	Biocatalysis and Biotransformation			1	10
Hidayah N.N., Abidin S.Z.	The evolution of mineral processing in extraction of rare earth elements using solid-liquid extraction over liquid-liquid extraction: A review	2017	Minerals Engineering	112		103	113
Abidin S.Z., Yunus N.M., Ghani S.A.A., Roslan N.A., Yee C.S.	Studies on free fatty acid esterification of used cooking oil: investigation on the performance of sulphonated cation exchange resins	2017	Biofuels			1	16
Cheng Y.W., Chang Y.S., Ng K.H., Wu T.Y., Cheng C.K.	Photocatalytic restoration of liquid effluent from oil palm agroindustry in Malaysia using tungsten oxides catalyst	2017	Journal of Cleaner Production	162		205	219
Abdullah B., Abd Ghani N.A., Vo D.-V.N.	Recent advances in dry reforming of methane over Ni-based catalysts	2017	Journal of Cleaner Production	162		170	185
Habeeb O.A., Kanthasamy R., Ali G.A.M., Sethupathi S., Yunus R.B.M.	Hydrogen sulfide emission sources, regulations, and removal techniques: a review	2017	Reviews in Chemical Engineering				
Ideris A., Croiset E., Pritzker M., Amin A.	Direct-methane solid oxide fuel cell (SOFC) with Ni-SDC anode-supported cell	2017	International Journal of Hydrogen Energy	42	36	23118	23129

Mohd Zakria R., Gimbun J., Asras M.F.F., Chua G.K.	Magnesium sulphate and B-alanine enhanced the ability of Kluyveromyces marxianus producing bioethanol using oil palm trunk sap	2017	Biofuels	8	5	595	603
Alam A.K.M.M., Beg M.D.H., Yunus R.M.	Microstructure and fractography of multiwalled carbon nanotube reinforced unsaturated polyester nanocomposites	2017	Polymer Composites	38		E462	E471
Zakaria M.E.B.T., Jamari S.S.B., Ghazali S.	Synthesis of superabsorbent carbonaceous kenaf fibre filled polymer using inverse suspension polymerisation	2017	Journal of Mechanical Engineering and Sciences	11	3	2794	2800
Rahman M.W., Ali M.Y., Saha I., Al Raihan M., Moniruzzaman M., Alam M.J., Deb A., Khan M.M.R.	Date palm fiber as a potential low-cost adsorbent to uptake chromium (VI) from industrial wastewater	2017	Desalination and Water Treatment	88		169	178
Ramle N.A., Rahim S.A., Anuar N., El-Hadad O.	Solubility of carbamazepine co-crystals in ethanolic solution	2017	AIP Conference Proceedings	1879			
Kormin S., Kormin F., Beg M.D.H., Piah M.B.M.	Physical and mechanical properties of LDPE incorporated with different starch sources	2017	IOP Conference Series: Materials Science and Engineering	226	1		
Izhab I., Amin N.A.S., Asmadi M.	Dry reforming of methane over oil palm shell activated carbon and ZSM-5 supported cobalt catalysts	2017	International Journal of Green Energy	14	10	831	838
Chong S.L., Soh J.C., Cheng C.K.	Production of ethylene from ethanol dehydration over H ₃ PO ₄ -modified cerium oxide catalysts [Penghasilan etilena daripada pendehidratan etanol dengan mangkin serium oksida terubahsuai H ₃ PO ₄]	2017	Malaysian Journal of Analytical Sciences	21	4	839	848
Bijarimi M., Ahmad S., Alam A.K.M.M.	Toughening effect of liquid natural rubber on the morphology and thermo-mechanical properties of the poly(lactic acid) ternary blend	2017	Polymer Bulletin	74	8	3301	3317

Arshad Z.I.M., Amid A., Yusof F., Sulaiman S.Z., Mudalip S.K.A., Man R.C., Shaarani S.M.	Comparison of purification methods to purify recombinant bromelain from Escherichia coli BL21-A1 [Perbandingan kaedah penulenan rekombinan bromelain daripada Escherichia coli BL21-A1]	2017	Malaysian Journal of Analytical Sciences	21	4	958	971
Bukhari S.N., Chin C.Y., Setiabudi H.D., Vo D.-V.N.	Tailoring the properties and catalytic activities of Ni/SBA-15 via different TEOS/P123 mass ratios for CO ₂ reforming of CH ₄	2017	Journal of Environmental Chemical Engineering	5	4	3122	3128
Sueb M.S.M., Zdarta J., Jesionowski T., Jonsson G., Meyer A.S., Jørgensen H., Pinelo M.	High-performance removal of acids and furans from wheat straw pretreatment liquid by diananofiltration	2017	Separation Science and Technology (Philadelphia)	52	11	1901	1912
Voges M., Abu R., Gundersen M.T., Held C., Woodley J.M., Sadowski G.	Reaction Equilibrium of the ω -Transamination of (S)-Phenylethylamine: Experiments and ePC-SAFT Modeling	2017	Organic Process Research and Development	21	7	976	986
Ismail Z., Kassim N.F.A., Abdullah A.H., Abidin A.S.Z., Ismail F.S., Yusoh K.	Black tea assisted exfoliation using a kitchen mixer allowing one-step production of graphene	2017	Materials Research Express	4	7		
Ng K.H., Khan M.R., Ng Y.H., Hossain S.S., Cheng C.K.	Restoration of liquid effluent from oil palm agroindustry in Malaysia using UV/TiO ₂ and UV/ZnO photocatalytic systems: A comparative study	2017	Journal of Environmental Management	196		674	680
Truong Q.D., Dien L.X., Vo D.-V.N., Le T.S.	Controlled synthesis of titania using water-soluble titanium complexes: A review	2017	Journal of Solid State Chemistry	251		143	163
Habeeb O.A., Ramesh K., Ali G.A.M., Yunus R.M.	Low-cost and eco-friendly activated carbon from modified palm kernel shell for hydrogen sulfide removal from wastewater: Adsorption and kinetic studies	2017	Desalination and Water Treatment	84		205	214
Masoum Raman S.N., Ismail N.A., Jamari S.S.	Preparation and Characterization of Impregnated Commercial Rice Husks Activated Carbon with Piperazine for Carbon Dioxide (CO ₂) Capture	2017	IOP Conference Series: Materials Science and Engineering	206	1		

Zuwairi M.Z., Rahman S.A.	Study on CO ₂ / N ₂ separation: The effect of rubbery polymer coating on PVDF membrane	2017	IOP Conference Series: Materials Science and Engineering	206	1		
Rahmat N.F.H., Rasid R.A.	Gasification of empty fruit bunch with carbon dioxide in an entrained flow gasifier for syngas production	2017	IOP Conference Series: Materials Science and Engineering	206	1		
Ahmad M.A.A., Chin S.Y.	Screening of Catalyst and Important Variable for the Esterification of Acrylic Acid with 2 Ethylhexanol	2017	IOP Conference Series: Materials Science and Engineering	206	1		
Hashim F.S., Yusoff H.W., Zahari M.A.K.M., Rahman R.A., Illias R.M.	Enzymatic Hydrolysis of Pretreated Fibre Pressed Oil Palm Frond by using Sacchariseb C6	2017	IOP Conference Series: Materials Science and Engineering	206	1		
Omar W.S.A.W., Sulaiman A.Z., Ajit A., Chisti Y., Chor A.L.T.	Effect of flow rate, duty cycle, amplitude, and treatment Time of ultrasonic regimens towards Escherichia coli harbouring lipase	2017	IOP Conference Series: Materials Science and Engineering	206	1		
Nasrah N.S.M., Zahari M.A.K.M., Masngut N., Ariffin H.	Statistical Optimization for Biobutanol Production by Clostridium acetobutylicum ATCC 824 from Oil Palm Frond (OPF) Juice Using Response Surface Methodology	2017	MATEC Web of Conferences	111			
Yeong Y.L., Pang S.F., Gim bun J.	The effect of auxiliary energy on rhein, kaempferol and astragal in extraction from Cassia alata	2017	MATEC Web of Conferences	111			
Yeop A., Sandanasam J., Pan S.F., Abdulla S., Yusoff M.M., Gim bun J.	The effect of particle size and solvent type on the gallic acid yield obtained from Labisia pumila by ultrasonic extraction	2017	MATEC Web of Conferences	111			
Firoozeh P., Farzad M., Oliver J., Frank S., Ing K., Arun G., Robert A.S.	Avian keratin fiber based bio-composites	2017	World Journal of Engineering	14	3		
Abdul Mudalip S.K., Adam F., Parveen J., Abu Bakar M.R., Amran N., Sulaiman S.Z., Che Man R., Mohd Arshad Z.I., Shaarani S.M.	Effect of Cooling Rates on Shape and Crystal Size Distributions of Mefenamic Acid Polymorph in Ethyl Acetate	2017	IOP Conference Series: Materials Science and Engineering	205	1		
Azaini N.N., Masngut N.	Oscillatory flow reactor design for biological process	2017	Journal of Mechanical Engineering and Sciences	11	2	2615	2625

Najmuldeen G.F., Fatmanathan H.A., Faisal G.G., Hassan Z.	Characterization of Eurycoma longifolia (Tongkat Ali) Essential oils extracted by microwave assisted extraction	2017	Journal of Applied Pharmaceutical Science	7	6	62	68
Abu Bakar A., Mohd Ali M.K.F., Md Noor N., Yahaya N., Ismail M., Abdullah A.	Bio-corrosion of carbon steel by sulfate reducing bacteria consortium in oil and gas pipelines	2017	Journal of Mechanical Engineering and Sciences	11	2	2592	2600
Kamarudin N.B., Sharma S., Gupta A., Kee C.G., Chik S.M.S.B.T., Gupta R.	Statistical investigation of extraction parameters of keratin from chicken feather using Design-Expert	2017	3 Biotech	7	2		
Akindoyo J.O., Beg M.D.H., Ghazali S., Akindoyo E.O., Jeyaratnam N.	Synthesis of Hydroxyapatite through Ultrasound and Calcination Techniques	2017	IOP Conference Series: Materials Science and Engineering	203	1		
Abd Aziz M.A., Md Isa K., Rashid R.A.	Pneumatic jiggling: Influence of operating parameters on separation efficiency of solid waste materials	2017	Waste Management and Research	35	6	647	655
Shaari A., Abu Seman M.N., Faizal C.K.M.	Optimization of Mechanical Properties of Silver Nanoparticles (AgNPS)-Loaded Chitosan/Poly(lactic Acid (PLA) Biofilms by Using Response Surface Methodology (RSM)	2017	MATEC Web of Conferences	109			
Tuan Zakaria M.E., Jamari S.S., Ling Y.Y., Ghazali S.	Synthesis of Superabsorbent Polymer via Inverse Suspension Method: Effect of Carbon Filler	2017	IOP Conference Series: Materials Science and Engineering	204	1		
Azizah Z., Arlita A.D., Rahayu S.P., Arifin I., Hisyam A., Renanto, Juwari	Process control on modified III Quadruple Tank using LabVIEW application	2017	AIP Conference Proceedings	1840			
Nasir M., Hashim R., Sulaiman O., Gupta A., Khan T.A., Jawaid M., Asim M.	Natural Fiber Improvement by Laccase; Optimization, Characterization and Application in Medium Density Fiberboard	2017	Journal of Natural Fibers	14	3	379	389
Alara O.R., Abdul Mudalip S.K., Olalere O.A.	Optimization of mangiferin extracted from Phaleria macrocarpa fruits using response surface methodology	2017	Journal of Applied Research on Medicinal and Aromatic Plants	5		82	87
Shafie N.F.A., Mansor U.Q.A., Yahya A., Som A.M., Nour A.H., Hassan Z., Yunus R.M.	Performance of ultrasonic-assisted membrane anaerobic system (UMAS) for membrane fouling control in palm oil mill effluent (POME) treatment	2017	Advanced Science Letters	23	5	3903	3906

Mansor U.Q.A., Yahya A., Shafie N.F.A., Roslan Q.I., Manshor N.M., Som A.M., Nour A.H., Hassan Z., Yunus R.M.	An overview of anaerobic treatment processes performance treating palm oil mill effluent (POME)-past, present and future	2017	Advanced Science Letters	23	5	4179	4183
Sharma S., Gupta A., Bin Tuan Chik S.M.S., Gek Kee C.Y., Poddar P.K.	Dissolution and characterization of biofunctional keratin particles extracted from chicken feathers	2017	IOP Conference Series: Materials Science and Engineering	191	1		
Siang T.J., Singh S., Omoregbe O., Bach L.G., Phuc N.H.H., Vo D.V.N.	Hydrogen production from CH ₄ dry reforming over bimetallic Ni-Co/Al ₂ O ₃ catalyst	2017	Journal of the Energy Institute				
Omoregbe O., Danh H.T., Nguyen-Huy C., Setiabudi H.D., Abidin S.Z., Truong Q.D., Vo D.-V.N.	Syngas production from methane dry reforming over Ni/SBA-15 catalyst: Effect of operating parameters	2017	International Journal of Hydrogen Energy	42	16	11283	11294
Alara O.R., Abdurahman N.H., Abdul Mudalip S.K., Olalere O.A.	Effect of drying methods on the free radicals scavenging activity of Vernonia amygdalina growing in Malaysia	2017	Journal of King Saud University - Science				
Zianor Azrina Z.A., Beg M.D.H., Rosli M.Y., Ramli R., Junadi N., Alam A.K.M.M.	Spherical nanocrystalline cellulose (NCC) from oil palm empty fruit bunch pulp via ultrasound assisted hydrolysis	2017	Carbohydrate Polymers	162		115	120
Osazuwa O.U., Setiabudi H.D., Abdullah S., Cheng C.K.	Syngas production from methane dry reforming over SmCoO ₃ perovskite catalyst: Kinetics and mechanistic studies	2017	International Journal of Hydrogen Energy	42	15	9707	9721
Ideris A., Croiset E., Pritzker M.	Ni-samarium-doped ceria (Ni-SDC) anode-supported solid oxide fuel cell (SOFC) operating with CO	2017	International Journal of Hydrogen Energy	42	14	9180	9187
Mohd Arif N.N., Harun N., Yunus N.M., Vo D.-V.N., Azizan M.T., Zainal Abidin S.	Reforming of glycerol for hydrogen production over Ni based catalysts: Effect of support type	2017	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	39	7	657	663
Samad K.A., Zainol N.	Effects of agitation and volume of inoculum on ferulic acid production by co-culture	2017	Biocatalysis and Agricultural Biotechnology	10		9	12
Osazuwa O.U., Cheng C.K.	Catalytic conversion of methane and carbon dioxide (greenhouse gases) into syngas over samarium-cobalt-trioxides perovskite catalyst	2017	Journal of Cleaner Production	148		202	211

Ridzuan N., Yaacob Z., Adam F.	Response surface methodology on wax deposit optimization [Pengoptimuman lilin mendap menggunakan kaedah gerak balas permukaan]	2017	Malaysian Journal of Analytical Sciences	21	2	452	459
Habeeb O.A., Kanthasamy R., Ali G.A.M., Yunus R.M.	Isothermal modelling based experimental study of dissolved hydrogen sulfide adsorption from waste water using eggshell based activated carbon [Model isoterma berdasarkan kajian penyerapan hidrogen sulfida terlarut daripada air sisa menggunakan karbon yang diaktifkan berasaskan kulit telur]	2017	Malaysian Journal of Analytical Sciences	21	2	334	345
Omar A.H., Ramesh K., Gomaa A.M.A., Rosli B.M.Y.	Experimental design technique on removal of hydrogen sulfide using CaO-eggshells dispersed onto palm kernel shell activated carbon: Experiment, optimization, equilibrium and kinetic studies	2017	Journal Wuhan University of Technology, Materials Science Edition	32	2	305	320
Abdul-Kadhim W., Deraman M.A., Abdullah S.B., Tajuddin S.N., Yusoff M.M., Taufiq-Yap Y.H., Rahim M.H.A.	Efficient and reusable iron-zinc oxide catalyst for oxidative desulfurization of model fuel	2017	Journal of Environmental Chemical Engineering	5	2	1645	1656
Sujak S., Handani Z.B., Wan Alwi S.R., Manan Z.A., Hashim H., Lim Jeng Shiun	A holistic approach for design of Cost-Optimal Water Networks	2017	Journal of Cleaner Production	146		194	207
Triwibowo B., Prasetiawan H., Hisyam A., Fauzan M.F., Rizky M.H.F.	Modeling and simulation of steady state model approach for horizontal three phase separator (HTPS)	2017	AIP Conference Proceedings	1818			
Ajit A., Sulaiman A.Z., Chisti Y.	Production of bioethanol by Zymomonas mobilis in high-gravity extractive fermentations	2017	Food and Bioproducts Processing	102		123	135
Kumar A., Sharma K.V., Gupta A., Tywoniak J., Hajek P.	Optimization of processing parameters of medium density fiberboard using response surface methodology for multiwalled carbon nanotubes as a nanofiller	2017	European Journal of Wood and Wood Products	75	2	203	213

Emami S.D., Kasmani R.M., Naserzadeh Z., Che Hassan C.R., Hamid M.D., Sulaiman S.Z., Ibrahim N., Samsudin M.D.M.	Effectiveness of diluent gases on hydrogen flame propagation in tee pipe (part II) – Influence of tee junction position	2017	Fuel	190		260	267
Shahirah M.N.N., Ayodele B.V., Gimbun J., Lam S.S., Cheng C.K.	Renewable syngas production from thermal cracking of glycerol over praseodymium-promoted Ni/Al ₂ O ₃ catalyst	2017	Applied Thermal Engineering	112		871	880
Abdullah H., Ismail N.A., Yaakob Z., Khan M.R., Rahim S.A.	CeO ₂ -TiO ₂ for photoreduction of CO ₂ to methanol under visible light: Effect of ceria loading [(CeO ₂ -TiO ₂ untuk penurunan CO ₂ kepada metanol di bawah radiasi cahaya nampak: Kesan pemuatan ceria)]	2017	Malaysian Journal of Analytical Sciences	21	1	166	172
Isa K.M., Kasim F.H., Saad S.A., Rahim M.A.A., Aziz M.A.A., Ali U.F.M.	Influence of Operating Parameters on Biomass Conversion under Sub- and Supercritical Water Conditions	2017	Chemical Engineering and Technology	40	3	537	545
Ayodele B.V., Shahirah M.N.N., Khan M.R., Cheng C.K.	Synthesis, characterization and catalytic performance of ceria-supported cobalt catalyst for methane dry reforming to syngas [Sintesis, Pencirian dan Prestasi Mangkin Kobalt Sokongan Ceria untuk Penghasilan Semula Metana Kontang Kepada Gas Sintesis]	2017	Malaysian Journal of Analytical Sciences	21	1	248	260
Ng K.H., Cheng C.K.	Photocatalytic degradation of palm oil mill effluent over ultraviolet-responsive titania: Successive assessments of significance factors and process optimization	2017	Journal of Cleaner Production	142		2073	2083
Masiren E.E., Harun N.	Comparison of different types of carbamate amine for stripping process	2017	Chemical Engineering Transactions	56		721	726
Amran U.I., Ahmad A., Othman M.R.	Kinetic based simulation of methane steam reforming and water gas shift for hydrogen production using aspen plus	2017	Chemical Engineering Transactions	56		1681	1686

Zahari Z.M., Saleh S., Samad N.A.F.A.	Achieving the target crystal size distribution in the case of agglomeration and breakage for batch cooling crystallisation process	2017	Chemical Engineering Transactions	56		205	210
Che Ani N., Jamari S.S., Wan Yaacob W.S.N.	Effect of cross-linker concentration on the synthesis and swelling behaviour of Superabsorbent Polymers (SAP) using graft polymerization techniques	2017	Key Engineering Materials	719		62	66
Olalere O.A., Abdurahman H.N., Yunus R.M., Alara O.R., Thraisingam J.	Comparative study of pulsed microwave and hydrodistillation extraction of piperine oil from black pepper	2017	IIUM Engineering Journal	18	2	87	93
Wahid F.R.A.A., Harun N.H.H.M., Rashid S.R.M., Samad N.A.F.A., Saleh S.	Physicochemical property changes and volatile analysis for torrefaction of oil palm frond	2017	Chemical Engineering Transactions	56		199	204
Alara O.R., Abdurahman N.H., Olalere O.A.	Ethanol extraction of flavonoids, phenolics and antioxidants from Vernonia amygdalina leaf using two-level factorial design	2017	Journal of King Saud University - Science				
Harun N.H.H.M., Wahid F.R.A.A., Saleh S., Samad N.A.F.A.	Effect of torrefaction on palm oil waste chemical properties and kinetic parameter estimation	2017	Chemical Engineering Transactions	56		1195	1200
Chua G.K., Ariff N.A.M.	Lipopolysaccharide induces the production of diagnostic monoclonal antibody by hybridoma cells against congenital adrenal hyperplasia	2017	Journal of Engineering Science and Technology	12	11	2939	2951
Said F.M., Quan T.K.	Recovery of the biological active compounds of Musa Sp. through microwave assisted extraction	2017	IIUM Engineering Journal	18	2	105	116

Nurmaryam Aini H., Hashim U.N.M., Abdul Mudalip S.K., Harun N., Adam F., Man R.C., Sulaiman S.Z., Mohd Arshad Z.I., Shaarani S.M.	Extraction of bioactive compounds (Mangiferin) from mahkota dewa (phaleria macrocarpa) fruits using subcritical water: Effect of process parameters on extraction yield [Pengekstrakan bahan bioaktif (mangiferin) dari buah mahkota dewa (phaleria macrocarpa) menggunakan kaedah air subgenting: Kesan parameter proses terhadap hasil ekstrak]]	2017	Malaysian Journal of Analytical Sciences	21	3	726	734
Mohd Rashid S.R., Mohd Harun N.H.H., Saleh S., Abdul Samad N.A.F.	Modelling Anhydrous Weight Loss of Torrefied Wood Sawdust	2017	Energy Procedia	138		319	324
Yusof M.A.M., Seman M.N.A.	Effect of piperazine (PIP) concentration and reaction time on the formation of thin film composite forward osmosis (FO) membrane	2017	Jurnal Teknologi	79	2-Jan	1	8
Samad K.A., Zainol N.	The use of factorial design for ferulic acid production by co-culture	2017	Industrial Crops and Products	95		202	206
Nurfarahanim A., Amran N.A., Yasin N.H.M.	Algae oil extraction from freshwater microalgae chlorella vulgaris [Pengekstrakan minyak alga daripada mikroalga air tawar chlorella vulgaris]	2017	Malaysian Journal of Analytical Sciences	21	3	735	744
Olalere O.A., Abdurahman N.H., Yunus R.B.M., Alara O.R.	Multi-response optimization and neural network modeling for parameter precision in heat reflux extraction of spice oleoresins from two pepper cultivars (Piper nigrum)	2017	Journal of King Saud University - Science				
Abdul Wahid F.R.A., Saleh S., Abdul Samad N.A.F.	Estimation of Higher Heating Value of Torrefied Palm Oil Wastes from Proximate Analysis	2017	Energy Procedia	138		307	312
Muslim M.B., Saleh S., Samad N.A.F.A.	Effects of purification on the hydrogen production in biomass gasification process	2017	Chemical Engineering Transactions	56		1495	1500

Idris N.A.N., Sulaiman A.Z.	Comparison between conventional extraction and ultrasound assisted extraction of labisia pumila Sp. In 25-L mobile extractor using water as solvent of extraction	2017	Chemical Engineering Transactions	56		781	786
Harun N.H.H.M., Samad N.A.F.A., Saleh S.	Development of Kinetics Model for Torrefaction of Empty Fruit Bunch from Palm Oil Waste	2017	Energy Procedia	105		744	749
Abdulbari H.A., Basheer E.A.	Investigating the enhancement of microfluidics-based electrochemical biosensor response with different microchannel dimensions	2017	Current Analytical Chemistry	13	5	361	369
Abdul Samad N.A.F., Jamin N.A., Saleh S.	Torrefaction of Municipal Solid Waste in Malaysia	2017	Energy Procedia	138		313	318
Qi L.A., Seman M.N.A., Ali A.	Influence of mangosteen pericarp (MP) in coagulation treatment and membrane fouling	2017	Chemical Engineering Transactions	56		1843	1848
Mansor U.Q.A., Ismail A., Yahya A., Shafie N.F.A., Som A.M., Nour A.H., Yunus R.	Kinetic study for Ultrasonic assisted Membrane Anaerobic System (UMAS) treating decanter Palm Oil Mill Effluent (POME)	2017	Journal of Mechanical Engineering	SI 2	2	45	56
Wahab M.S.A., Rahman S.A., Ahmad A.L.	Biomethane purification using PVDF/pebax 1657 thin film composite membrane	2017	Journal of Physical Science	28		39	51
Islam M.R., Isa N., Yahaya A.N., Beg M.D.H., Yunus R.M.	Mechanical, interfacial, and fracture characteristics of poly (lactic acid) and Moringa oleifera fiber composites	2017	Advances in Polymer Technology				
Kumaran P., Gupta A., Sharma S.	Synthesis of wound-healing keratin hydrogels using chicken feathers proteins and its properties	2017	International Journal of Pharmacy and Pharmaceutical Sciences	9	2	171	178
Ayodele B.V., Khan M.R., Cheng C.K.	Greenhouse gases mitigation by CO2 reforming of methane to hydrogen-rich syngas using praseodymium oxide supported cobalt catalyst	2017	Clean Technologies and Environmental Policy	19	3	795	807
Shafie N.F.A., Rahman A.I.S., Yahya A., Mansor U.Q.A., Som A.M., Nour A.H., Hassan Z., Yunus R.M.	Performance of ultrasonic-assisted Membrane Anaerobic System (UMAS) on Palm Oil Mill Effluent (POME)	2017	Journal of Mechanical Engineering	SI 2	1	17	27

Syafiqah I., Yussof H.W., Azoddein A.A.M., Chandraseagar S., Ishak F.W.	A factorial analysis study on removal of mercury by palm oil fuel ash adsorbent	2017	Chemical Engineering Transactions	56		1501	1506
Hazwani S.N., Hisyam A., Aziz B.A.	Modelling and simulation of multi-vessel batch distillation column	2017	Chemical Engineering Transactions	56		1135	1140
Sharma S., Gupta A., Saufi S.M., Kee C.Y.G., Podder P.K., Subramaniam M., Thuraisingam J.	Study of different treatment methods on chicken feather biomass	2017	IIUM Engineering Journal	18	2	47	55
Anuar E., Saufi S.M., Seman M.N.A., Yussof H.W., Ismailb A.F.	Thin film composite hollow fiber membrane for separation in biorefinery	2017	Chemical Engineering Transactions	56		1099	1104
Majid A.A.A., Braniff M., Creek J., Koh C.A., Kusinski G., Gomes J.	Gas hydrate formation in high water content systems containing anti-Agglomerat and salt	2017	Proceedings of the Annual Offshore Technology Conference	3		2235	2246
Islam M.A., Woon C.W., Ethiraj B., Yousuf A., Ong H.R., Khan M.M.R.	Bioelectrochemical behavior of wild type bacillus cereus in dual chamber microbial fuel cell	2017	IIUM Engineering Journal	18	2	79	86
Hadi A.J., Hadi G.J., Yusoh K.B., Najmuldeen G.F., Hasany S.F.	Prediction of Experimental Measurement Data for High Density Polyethylene and Polypropylene Solubility in Organic Solvents	2017	Chemical Product and Process Modeling	12	3		
Na'aman W.H.W., Saufi S.M., Seman M.N.A., Yussof H.W., Mohammad A.W.	Fabrication of asymmetric nanofiltration flatsheet membrane for the separation of acetic acid from xylose and glucose	2017	Chemical Engineering Transactions	56		1201	1206
Ayodele B.V., Khan M.R., Nooruddin S.S., Cheng C.K.	Modelling and optimization of syngas production by methane dry reforming over samarium oxide supported cobalt catalyst: response surface methodology and artificial neural networks approach	2017	Clean Technologies and Environmental Policy	19	4	1181	1193
Setiabudi H.D., Lim K.H., Ainirazali N., Chin S.Y., Kamarudin N.H.N.	CO2 reforming of CH4 over Ni/SBA-15: Influence of Ni loading on the metal-support interaction and catalytic activity	2017	Journal of Materials and Environmental Science	8	2	573	581
Samah R.A., Zainol N., Phang L.Y., Abd-Aziz S.	Fixed-Bed adsorption of aqueous vanillin onto resin H103	2017	IIUM Engineering Journal	18	2	94	104

Abdulbari H.A., Mahammed H.D., Yaacob Z.B., Mahmood W.K.	Elucidation of longitudinally grooved-riblets drag reduction performance using pressure drop measurements	2017	International Journal of Fluid Mechanics Research	44	2	131	153
Hashim F.S., Yussof W.M.H.W., Hong M.K., Roli N.F.M., Chik S.M.S.T., Seman M.N.A., Mohammad A.W.	Factors affecting enzymatic hydrolysis from pretreated fibre pressed oil palm frond using sacchariseb C6	2017	Journal of Physical Science	28		281	295
Hashim F.S., Yussof H.W., Zahari M.A.K.M., Rahman R.A., Illias R.M.	Physicochemical and morphological characterisation of the native and alkaline pre-Treated fibre pressed oil palm frond for fermentable sugars production	2017	Chemical Engineering Transactions	56		1087	1092
Rudaini I.A., Naim R., Abdullah S., Mokhtar N.M., Jaafar J.	PVDF-cloisite hollow fiber membrane for CO2 absorption via membrane contactor	2017	Jurnal Teknologi	79	2-Jan	17	23
Shahirah M.N.N., Gimbun J., Ideris A., Khan M.R., Cheng C.K.	Catalytic pyrolysis of glycerol into syngas over ceria-promoted Ni/A-Al ₂ O ₃ catalyst	2017	Renewable Energy	107		223	234
Sueb M.S.M., Luo J., Meyer A.S., Jørgensen H., Pinelo M.	Impact of the fouling mechanism on enzymatic depolymerization of xylan in different configurations of membrane reactors	2017	Separation and Purification Technology	178		154	162
Abdul Mudalip S.K., Abu Bakar M.R., Adam F., Jamal P., Alam Z.M.	Investigating the role of molecular interactions in polymorphism of mefenamic acid in ethyl acetate solution	2017	Jurnal Teknologi	79	3-May	21	27
Soh J.C., Chong S.L., Hossain S.S., Cheng C.K.	Catalytic ethylene production from ethanol dehydration over non-modified and phosphoric acid modified Zeolite H-Y (80) catalysts	2017	Fuel Processing Technology	158		85	95
Desa M.S.Z.M., Hassan A., Arsad A.	The influence of carbon nanotubes contents on electrical and flammability properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites	2017	Solid State Phenomena	268 SSP		365	369

Khairatun Najwa M.A., Annamalai P.K., Martin D.	Cellulose nanocrystals with enhanced thermal stability reinforced thermoplastic polyurethane [Nanokristal selulosa dengan ketahanan haba yang tinggi berasaskan poliuretina termoplastik]	2017	Malaysian Journal of Analytical Sciences	21	3	754	761
Rafiqul I.S.M., Sakinah A.M.M., Zularisam A.W.	Hydrolysis of lignocellulosic biomass for recovering hemicellulose: State of the art	2017	Waste Biomass Management - A Holistic Approach			73	106
Ramli S.N., Saufi S.M., Seman M.N.A., Yusoff H.W., Mohammad A.W.	Effects of polyethersulfone membrane substrate on the separation performance of thin film composite membrane in biorefinery	2017	Chemical Engineering Transactions	56		1033	1038
Habeeb O.A., Kanthasamy R., Ali G.A.M., Yunus R.B.M., Olalere O.A.	Kinetic, isotherm and equilibrium study of adsorption of hydrogen sulfide from wastewater using modified eggshells	2017	IIUM Engineering Journal	18	1	13	25
Hossain M.A., Ayodele B.V., Cheng C.K., Khan M.R.	Optimization of renewable hydrogen-rich syngas production from catalytic reforming of greenhouse gases (CH ₄ and CO ₂) over calcium iron oxide supported nickel catalyst	2017	Journal of the Energy Institute				
Ahmad M.M., Azoddein A.A.M., Zahari M.A.K.M., Seman M.N.B.A., Jami M.S., Olalere O.A., Alara O.R.	Optimization of process parameters in mixed sulfide oxidation bacterial culture using response surface methodology as a tool	2017	Journal of King Saud University - Science				
Osazuwa O.U., Cheng C.K.	Corrigendum to "Syngas production from methane dry reforming over SmCoO ₃ perovskite catalyst: Kinetics and mechanistic studies" [Int J Hydrogen Energy 42 (2017) 9707–9721](S0360319917309801) (10.1016/j.ijhydene.2017.03.061))	2017	International Journal of Hydrogen Energy	42	50	29897	
Siddiqui M.F., Singh L., Wahid Z.A.	Treatment of dye wastewater for water reuse using membrane bioreactor and biofouling control	2017	Waste Biomass Management - A Holistic Approach			121	136

Osazuwa O.U., Setiabudi H.D., Rasid R.A., Cheng C.K.	Syngas production via methane dry reforming: A novel application of SmCoO ₃ perovskite catalyst	2017	Journal of Natural Gas Science and Engineering	37		435	448
Pourjavaheri F., Jones O.A.H., Pardo I.M., Sherkat F., Gupta A., Shanks R.A.	Keratin bio-composites with polysiloxane thermoplastic polyurethane	2017	Annual Technical Conference - ANTEC, Conference Proceedings	2017-May		672	678
Lock I.S.M., Lock S.S.M., Vo D.-V.N., Abdullah B.	Influence of palladium on Ni-based catalyst for hydrogen production via thermo-catalytic methane decomposition	2017	Chemical Engineering Transactions	57		343	348
Harruddin N., Saufi S.M., Faizal C.K.M., Mohammad A.W.	Removal of acetic acid from aqueous solution by polyethersulfone supported liquid membrane	2017	Chemical Engineering Transactions	56		847	852
Truong Q.D., Hoa H.T., Vo D.-V.N., Le T.S.	Controlling the shape of anatase nanocrystals for enhanced photocatalytic reduction of CO ₂ to methanol	2017	New Journal of Chemistry	41	13	5660	5668
Balasundram V., Ibrahim N., Kasmani R.M., Kamaruddin Abd Hamid M., Isha R., Hasbullah H., Ali R.R.	Catalytic pyrolysis of sugarcane bagasse over cerium (rare earth) loaded HZSM-5 zeolite	2017	Energy Procedia	142		801	808
Ramli N.A., Rahman R.A., Ngadi N., Samah R.A.	Optimisation of fermentation conditions for isobutanol production by saccharomyces cerevisiae using response surface methodology	2017	Chemical Engineering Transactions	56		301	306
Balasundram V., Ibrahim N., Kasmani R.M., Isha R., Abd Hamid M.K., Hasbullah H.	Catalytic pyrolysis of sugarcane bagasse using molybdenum modified HZSM-5 zeolite	2017	Energy Procedia	142		793	800
Roli F.M., Yussof H.W., Saufi S.M., Seman M.N.A., Mohammad A.W.	Synthesis of nanofiltration membrane developed from triethanolamine (TEOA) and trimesoyl chloride (TMC) for separation of xylose from glucose	2017	Chemical Engineering Transactions	56		1507	1512
Woon C.W., Islam M.A., Ethiraj B., Ong H.R., Cheng C.K., Chong K.F., Hedge G., Khan M.M.R.	Carbon Nanotube-Modified MnO ₂ : An Efficient Electrocatalyst for Oxygen Reduction Reaction	2017	ChemistrySelect	2	25	7637	7644

Harruddin N., Saufi S.M., Faizal C.K.M., Mohammad A.W., Ming H.N.	Supported liquid membrane using hybrid polyethersulfone/ graphene flat sheet membrane for acetic acid removal	2017	Journal of Physical Science	28	111	120
Bahari M.B., Phuc N.H.H., Alenazey F., Vu K.B., Ainirazali N., Vo D.-V.N.	Catalytic performance of La-Ni/Al ₂ O ₃ catalyst for CO ₂ reforming of ethanol	2017	Catalysis Today	291	67	75
Hamid M.Y.S., Firmansyah M.L., Triwahyono S., Jalil A.A., Mukti R.R., Febriyanti E., Suendo V., Setiabudi H.D., Mohamed M., Nabgan W.	Oxygen vacancy-rich mesoporous silica KCC-1 for CO ₂ methanation	2017	Applied Catalysis A: General	532	86	94
Majid A.A.A., Grasso G., Creek J.L., Qin H., Charlton T., Estanga D., Rivero M., Bbosa B., Waturuocha A., Volk M., Koh C.A.	A review of hydrate formation for partially dispersed systems in multiphase flow conditions & the detection of hydrate deposits	2017	Proceedings of the Annual Offshore Technology Conference	6	4026	4037
Balasundram V., Ibrahim N., Samsudin M.D.H., Kasmani R.Md., Hamid Mohd.K.A., Isha R., Hasbullah H.	Thermogravimetric studies on the catalytic Pyrolysis of rice husk	2017	Chemical Engineering Transactions	56	427	432
Singh S., Nga N.T.A., Pham T.L.M., Siang T.J., Phuong P.T.T., Khan M.R., Vo D.-V.N.	Metgas production from Bi-reforming of methane over lamodified santa barbara amorphous-15 supported nickel catalyst	2017	Chemical Engineering Transactions	56	1573	1578
Balasundram V., Ibrahim N., Kasmani R.Md., Hamid M.K.A., Isha R., Hasbullah H., Ali R.R.	The effect of catalyst loading (Ni-Ce/Al ₂ O ₃) on coconut copra pyrolysis via thermogravimetric analyser	2017	Chemical Engineering Transactions	56	901	906
Balasundram V., Ibrahim N., Kasmani R.Md., Hamid Mohd.K.Abd., Isha R., Hasbullah H., Ali R.R.	Catalytic pyrolysis of coconut copra and rice husk for possible maximum production of bio-oil	2017	Chemical Engineering Transactions	56	1177	1182