

2016년도 발간논문 420편: (2018. 1. 1. ~ 7. 4.: 708회 피인용)

Volume 33 number 1		2016년 1월호		16/45 18/1/8, 24/45 18/2/9,, 35/45 18/3/23,,, 49/45 18/5/15,,,, 65/45 18/7/4		
시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
1	,, 1	,,, 1	이경범	최수형(전북대)(self)	정승호(Review Paper)	Facility siting and plant layout optimization for chemical process safety
8		,,, 1	김범수		Prakorn Ramakul (Rapid Communication)	Application of hollow fiber supported liquid membrane as a chemical reactor for esterification of lactic acid and ethanol to ethyl lactate
14			이경범		유창규	Evaluation of multiloop chemical dosage control strategies for total phosphorus removal of enhanced biological nutrient removal process
25		,, 1	이경범	이종민(서울대)	이종민	Dynamic optimization of maintenance and improvement planning for water main system: Periodic replacement approach
33			이경범		이재형	Estimation of local concentration from measurements of stochastic adsorption dynamics using carbon nanotube-based sensors
46	1,,, 1	,,, 1	이경범	황성원(인하대)(self)	조정호	Optimization study of pressure-swing distillation for the separation process of a maximum-boiling azeotropic system of water-ethylenediamine
57			김민찬		장우진	Microfluidic room temperature ionic liquid droplet generation depending on the hydrophobicity and interfacial tension
63		,,, 1	김민찬		Shichao Ye	Modeling and experimental studies of ammonia absorption in a spray tower
73		,,, 1	김민찬	고영주(공주대)	이창근	Performance analysis of K-based KEP-CO2P1 solid sorbents in a bench-scale continuous dry-sorbent CO2 capture process
80		,, 1,,, 1	이관영		Unai Iriarte-Velasco	Selective hydrogenation of sunflower oil over Ni catalysts
90		,,, 1	이관영		Vittaya Punsuvon	Optimization of biodiesel production from a calcium methoxide catalyst using a statistical model
99			김태진		Congming Tang	Sustainable production of acetaldehyde from lactic acid over the carbon catalysts
107		,,, 2 ,,, 2	이관영	정상철(순천대) 추광호(경북대)	Xinyan Xiao	Preparation of titanium dioxide/tungsten disulfide composite photocatalysts with enhanced photocatalytic activity under visible light
114	1	1	김태진	배윤상(연세대)	정지철, 박종호	Preparation of Cu/ZnO catalyst using a polyol method for alcohol-assisted low temperature methanol synthesis from syngas
120		3	박은덕	권용재&정용진(서울과기대) 공동교신 김문일&김일대(가천대) 공동교신	Inamuddin	Fabrication of bioanode by using electrically conducting polythiophene via entrapment technique
126		,, 1	박은덕		Mojtaba Amini	Efficient and selective oxidation of olefins and alcohols using nanoparticles of WO3-supported manganese oxides (W1-xMnxO3)
132			박은덕		Ezzat Rafiee	Deep extractive desulfurization of oil over 12-Molibdophosphoric acid encapsulated in metal-organic frameworks
140		,,, 1	박은덕		Piyasan Prasertdam	Ethylene and mixed 2-butene cis/trans isomers metathesis: Influence of lanthanum as a second metal on the WO3/SiO2 catalysts
147			이재우		전충환	Ash deposition characteristics of Moolarben coal and its blends during coal combustion
154		1,,, 1	엄영순	권용재(서울과기대) 2	Mostafa Rahimnejad	Improvement of sediment microbial fuel cell performance by application of sun light and biocathode
159		,,, 2	추광호		Yanming Shen	Removal of Pb2+ from the aqueous solution by tartrate intercalated layered double hydroxides
170		, 1,, 1	추광호		Yuantao Chen	Removal of UO22+ from aqueous solution using halloysite nanotube-Fe3O4 composite
178		1, 1,, 1 ,,, 2	추광호		Alireza Khataee, Semra Karaca	Ultrasound-assisted adsorption of textile dyes using modified nanoclay: Central composite design optimization
189		,,, 3	추광호		Afshin Ebrahimi	Electrochemical degradation of the Acid Orange 10 dye on a Ti/PbO2 anode assessed by response surface methodology
197			추광호		Ura Pancharoen, Suphot Phatanasri	Separation of mercury and arsenic from produced water via hollow fiber contactor: Kinetic and mass transfer analysis
207			추광호		Bo Lai, Donghai Yuan	Degradation of ultrahigh concentration pollutant by Fe/Cu bimetallic system at high operating temperature
216		1	김범수	권용재&정용진(서울과기대) 공동교신	Shivaji Hariba Pawar	Immobilization of cellulase on functionalized cobalt ferrite nanoparticles
223			김범수		최기욱, 정봉우	An integrated process for continuous cellulosic bioethanol production
230	,, 1	1, 1 ,,, 1	김범수	이철균(인하대)	이기세	Enhancement of lipid production in marine microalga Tetraselmis sp. through salinity variation
238			김진련		Nilanjana Das	Application of a novel nanobiocomposites for removal of nickel(II) from aqueous environments: Equilibrium, kinetics, thermodynamics
248			박윤국		임종성	Vapor-liquid equilibria for the binary mixtures of dimethyl ether (DME) + dimethyl carbonate (DMC)
255			박윤국		염민선, 김은애	Hydrogen bond dynamics in liquid water: Ab initio molecular dynamics simulation
260		,, 1	박중곤	박윤국(홍익대)	박윤국	Measurement and correlation of vapor-liquid equilibria for a binary system containing 1-butyl-3-methylimidazolium
265		1,,, 1	박윤국	이기봉(고려대)&노남선(KIER) 공동교신	이기봉, 노남선	Solvent recovery in solvent deasphalting process for economical vacuum residue upgrading
271		,,, 1	박윤국		김문갑	Excess volume and excess enthalpy of binary mixtures composed of 1,2-dichloropropane and 1-alkanol (C5-C8)

277		, 2, 1 ,,, 1	박윤국	변현수(전남대)&이봉 섭(경남대) 공동교신 3 변현수(전남대)	변현수	Phase behavior for the poly(alkyl methacrylate) + supercritical CO ₂ + DME mixture at high pressures
285		1, 1	김도형	김일태(가천대)	문승현	Flame retardant coated polyolefin separators for the safety of lithium ion batteries
290	1	, 1, 1 ,,, 1	김도형	김대형(서울대) (self) 천기준(인하대)	김선욱	High surface area polyaniline nanofiber synthesized in compressed CO ₂ and its application to a hydrogen sensor
299	1	, 1	김도형	김대형(서울대) (self)	이건홍	Improving the tensile strength of carbon nanotube yarn via one-step double [2+1] cycloadditions
305			김도형		김선욱	A simple synthesis of Ag ₂ +xSe nanoparticles and their thin films for electronic device applications
312			하기룡		Jiangyang Fan	Preparation of monodisperse poly(styrene-co-divinylbenzene) microspheres by vibration dispersion method
319		,,, 1	이대연		Mohammad Barmar	Synthesis and characterization of polyhedral oligomeric silsesquioxane-based waterborne polyurethane nanocomposites
330	1	,,, 1	하기룡	김대형(서울대) (self)	김승우	Morphology, thermal, mechanical, and barrier properties of graphene oxide/poly(lactic acid) nanocomposite films
337		,, 1, 2 ,,, 2	김성한		Farouq Sabri Mjalli	Characteristics and intermolecular interaction of eutectic binary mixtures: Reline and Glyceline
344	1	,, 1	정경열	김대형(서울대) (self) 김수길&안상현&하돈 형(중앙대) 공동교신	김영훈	Electrochemical sensor applications of Pt supported porous gold electrode prepared using cellulose-filter

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	KJChE	Others				
351		4, 2,, 3 ,,, 2 ,,, 1	최수형	권용재&정용진(가천대)&이진우(POSTECH)) 공동교신 이동현(성균관대) 유정경(연세대) 유창규(경희대) 2 양대륙(고려대)	유창규 (Invited Review Paper)	Efficient thermal desalination technologies with renewable energy systems: A state-of-the-art review
388		, 1,, 1 ,,, 1 ,,, 3	하기룡		Khalid Mahmood Zia (Review Paper)	Recent trends in environmentally friendly water-borne polyurethane coatings: A review
401			김도형		정수환 (Rapid Communication)	Facile route to multi-walled carbon nanotubes under ambient conditions
405	, 1	1	최수형	임영선(서울대) 이문용(영남대)(self)	김진국	A design procedure for heat-integrated distillation column sequencing of natural gas liquid fractionation processes
416			최수형		이지태	Globally stable control systems for processes with input multiplicities
423		, 1	최수형		Seyed Hamed Mahdavian	Simultaneous multi-objective optimization of a new promoted ethylene dimerization catalyst using grey relational analysis and entropy measurement
438	, 1		김민찬	이재우(KAIST)(self)	이재우	Dynamic modeling of fixed-bed adsorption of flue gas using a variable mass transfer model
448		, 1	김민찬	안경현(서울대)	Mustafa S. Nasser	Flocculation and viscoelastic behavior of industrial papermaking suspensions
456		, 1,, 2 ,,, 3	박은덕		AdinarayanaReddy Somala	Graphene-ZnO nanocomposite for highly efficient photocatalytic degradation of methyl orange dye under solar light irradiation
465		, 1	김태진	고창현(전남대)	성호진	Catalytic application of metallic iron from the dyeing sludge ash for benzene steam reforming reaction in tar emitted from biomass gasification
473		, 1 ,,, 1	김태진		Seyed Mahdi Latifi	High temperature water gas shift reaction over Fe-Cr-Cu nanocatalyst fabricated by a novel method
481			이관영		MohammadHossein Rasoulifard	Adsorption and photocatalytic degradation of organic dyes onto crystalline and amorphous hydroxyapatite: Optimization, kinetic and isotherm studies
490		, 1,, 1 ,,, 1	박은덕		Mehran Rezaei	COx-free hydrogen and carbon nanofibers production by methane decomposition over nickel-alumina catalysts
500	2	1,, 1	박은덕	배은상(연세대) 김진수(경희대)&유계상(서울과학기술대) 이동현(POSTECH) 홍기중(POSTECH)	Wei Li	CO hydrogenation to higher alcohols over Ni- and Mo-modified Cu/CeO2 catalyst
507		, 1	이재우		이충곤	Oxidation of ash-free coal from sub-bituminous and bituminous coals in a direct carbon fuel cell
514	, 2	, 1,, 2 ,,, 2	이재우	정상문(충북대), 정상철(순천대)(self), 황동수&이진우(POSTECH)(self) 이재원(단국대)	이재원	Properties of LiNi0.8Co0.1Mn0.1O2 as a high energy cathode material for lithium-ion batteries
527			엄영순		김대호	Energy efficiency of a scaled-up microwave-assisted transesterification for biodiesel production
532		1, 1 ,,, 1	추광호		Ghasem Azarian	Degradation of azo dye C.I. Acid Red 18 using an eco-friendly and continuous electrochemical process
539		1, 1 ,,, 4	임광희	윤재경(KIER)	Farshid Ghanbari	Photocatalytic degradation of azo dye using nano-ZrO2/UV/persulfate: Response surface modeling and optimization
547			추광호		Shufa Zhu	Enhanced electrokinetic remediation of fluorine-contaminated soil by applying an ammonia continuous circulation system
553			추광호		Dongsheng Shen	Adsorption properties of Friedel's salt for the nitrate in the landfill
559			추광호		Ankur Gupta	Simultaneous removal of Cr(VI) and phenol from synthetic binary solution using consortium culture of Bacillus sp. and E. coli immobilized on.....
567		, 1	추광호		Monoj Kumar Mondal	Characterization, isotherm and kinetic study of Phaseolus vulgaris husk as an innovative adsorbent for Cr(VI) removal
576			추광호		Fu-Qiang An	Effective removal of anilines using porous activated carbon based on ureaformaldehyde resin
582			김범수		Yousuf Jamal	Esterification of acetic and oleic acids within the Amberlyst 15 packed catalytic column
587		, 1	김범수		Srinivasa Reddy Ronda	CO2 fixation and lipid production by microalgal species
594		, 2 ,,, 1	김범수		Antonio Montes	Preparation of polyphenol fine particles as potent antioxidants by a supercritical antisolvent process using different extracts of Olea europaea leaves

603	,, 1	1, 1	김범수	박영권(서울시립대) 2	최연석	Synergetic effect of biomass mixture on pyrolysis kinetics and biocrude-oil characteristics
610		1,,, 1 ,,, 2	차형준	권용재(서울과기대)	Jian Dong Cui	A facile technique to prepare cross-linked enzyme aggregates of bovine pancreatic lipase using bovine serum albumin as an additive
616		1,,, 1 ,,, 2	이병철		Ali Morad Rashidi	Preparation of nanoporous activated carbon and its application as nano adsorbent for CO2 storage
623		,,, 1	박윤국		Yigang Ding	Impact of seed loading ratio on the growth kinetics of mono-ammonium phosphate under isothermal batch crystallization
629		,,, 1	김종학		Sayedmohsen Hosseini, Farah Sadat Halek	Fabrication of poly(ether sulfone) based mixed matrix membranes modified by TiO2 nanoparticles for purification of biodiesel produced
638		,,, 1	김종학		Mohamed Khitous	Sorption of Cr(VI) by MgAl-NO3 hydrotalcite in fixed-bed column: Experiments and prediction of breakthrough curves
649			박윤국		Murari Prasad	Kinetic model for sorption of divalent heavy metal ions on low cost minerals
657	,, 1	, 1,,, 1	김종학		AmirHosseinSaeedi Dehaghani	CO2/CH4 separation with poly(4-methyl-1-pentyne) (TPX) based mixed matrix membrane filled with Al2O3 nanoparticles
666		1	김종학	김종학(연세대)&김정훈(화학연) 공동교신	강상욱	1-Methyl-3-octylimidazolium tetrafluoroborate/AgO nanoparticles composite membranes for facilitated gas transport
669		,, 1	채희엽		SeyedAbolfazlSeyed Sadjadi	Polypyrrole-polyaniline/Fe3O4 magnetic nanocomposite for the removal of Pb(II) from aqueous solution
678	,, 1	, 1	김도형	김도형(전남대)(self)	박진호	Controlling the morphology of the active layer by using additives and its effect on bulk hetero-junction solar cell performance
683			김도형		김우식	Synthesis of rare earth oxide nanoplates with single unit cell thickness using a thermal decomposition method
688	, 1		김도형	황동수&이진우(POST ECH)(self)	곽호영	Characteristics of LiFePO4/C composite prepared by sonochemical method under multibubble sonoluminescence
697			김성한		Puttaswamy	Oxidative conversion of anilines to azobenzenes with alkaline chloramine-T
707			하기룡		김정현	Effects of composition and layer thickness of a butyl acrylate/acrylic acid copolymer on the adhesion properties
711		,,, 3	하기룡		Ajay Mandal	Synthesis and characterization of a new polymeric surfactant for chemical enhanced oil recovery
720		1	김대수		YumingZhou, FengxianQiu	Enhanced adsorption of fluoride from aqueous solutions by hierarchically structured Mg-Al LDHs/Al2O3 composites
726			정경열		최주홍	Charactristics of pressure drop during the pulse-jet cleaning of the ceramic filter at high temperature and high pressure

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	KJChE	Others				
735		, 2,, 2 ,,, 1 ,,,, 1	박영권	목영선(제주대) 김도희(서울대)	목영선 (Invited Review Paper)	Environmental plasma-catalysis for the energy-efficient treatment of volatile organic compounds
749	,, 1		용기중	박윤국(홍익대)(self)	László Almásy (Rapid Communication)	Ultrasonic preparation of mesoporous silica using a pyridinium ionic liquid
755			이경범		이의수	Development of an optimal multifloor layout model for the generic liquefied natural gas liquefaction process
764			최수형		김민원	Case study of surge avoidance design for centrifugal compressor systems during emergency shut-down (ESD)
775		, 1,,, 1	박중곤		Sadegh Poozesh	New criteria for filament breakup in droplet-on-demand inkjet printing using volume of fluid (VOF) method
782			김민찬		최항석	A numerical study on the performance evaluation of ventilation systems for indoor radon reduction
795			김민찬		Davood Jalali-Vahid	Effects of uniform magnetic field on the interaction of side-by-side rising bubbles in a viscous liquid
806		,,,, 1	이관영		박명준	Dehydration of D-xylose over SiO2-Al2O3 catalyst: Perspective on the pathways for condensed products
812		, 1	박은덕		Mehdi Shirzad-Siboni	Application of Ni-doped ZnO rods for the degradation of an azo dye from aqueous solutions
823			이관영		신채호	Influence of phosphorous addition on Bi3Mo2Fe1 oxide catalysts for the oxidative dehydrogenation of 1-butene
831			박은덕		Xiaojing Meng	Conversion of methanol into light olefins over ZSM-11 catalyst in a circulating fluidized-bed unit
838		1,,,, 3	이관영	전종기(공주대)	박대원(부산대)	Selective oxidation of H2S to sulfur over CeO2-TiO2 catalyst
844		1	신채호	이원규(강원대)	이원규	Process conditions for complete decomposition of CHF3 in a dielectric barrier discharge reactor
851		2,, 1 ,,, 3	염영순	박영권(서울시립대) 2	한규성	Fuel characteristics of agropellets fabricated with rice straw and husk
858		1, 1 ,,, 1 ,,,, 1	이재우	김일태(가천대) 최정욱(서울대) 김종학(연세대) 관용재(서울과학기술대)& 김종학(연세대) 공동교신	김재광	Organic di-radical rechargeable battery with an ionic liquid-based gel polymer electrolyte
862			이재우		YulongZhang, ShengXue	Evaluation of the susceptibility of coal to spontaneous combustion by a TG profile subtraction method
873		,,,, 1	염영순		Xudong Li	Pretreatment of sweet sorghum bagasse by alkaline hydrogen peroxide for enhancing ethanol production
880	,, 1	2,, 1 ,,, 1	이재우	한윤봉(전북대) 2 김도형(전남대)(self)	민병권	Semi-transparent thin film solar cells by a solution process
885			추광호		김용훈	Stabilization of hydrogen peroxide using tartaric acids in Fenton and fenton-like oxidation
893		1	Sarker		Farideh Nabizadeh Chianeh	Removal of ciprofloxacin from aqueous solution by a continuous flow electro-coagulation process
902			추광호		Niyaz Mohammad Mahmoodi	Synthesis of nanostructured adsorbent and dye adsorption modeling by an intelligent model for multicomponent systems
914			추광호		Shimaa M. Abdel Moniem	Immobilization technologies for the management of hazardous industrial waste using granite waste (case study)
922			추광호		Masoud Rahimi	Process modeling and optimization of Rhodamine B dye ozonation in a novel microreactor equipped with high frequency ultrasound wave
934			박중곤		Boominathan Meenatchi	Size-controlled synthesis of chalcogen and chalcogenide nanoparticles using protic ionic liquids with imidazolium cation
945	,,, 1		차형준		윤영상	Adsorptive characteristics of the polyurethane-immobilized Corynebacterium glutamicum biosorbent for removal of Reactive Yellow 2 from
952		,,,, 1	김범수		Wang Jing	The antimicrobial activity of as-prepared silver-loaded phosphate glasses and zirconium phosphate
958		,,,, 2	차형준		박정극	Economical synthesis of a complex silicon fertilizer by unique technology using loess
964		,,, 1	김범수		Xinde Chen	Preparation and characterization of epoxidized microbial oil
972			김범수		홍순호	Engineering a chimeric malate two-component system by introducing a positive feedback loop in Escherichia coli
976		,,,, 1	김종학		Ruixin Wang	Adsorption properties of silica surface-grafted with a salicylhydroxamic acid-functionalized polymer toward lead ions
986			이병철		강정원	Analysis of thermophysical property data of Hlx components for I2 crystallizer design in sulfur-iodine process to produce hydrogen
997	,, 1	,,, 1	김종학		Abdul Latif Ahmad	Optimization of PES/ZnO mixed matrix membrane preparation using response surface methodology for humic acid removal
1008			박윤국		Jinsong Zhou	Regeneration mechanism of CeO2-TiO2 sorbents for elemental mercury capture from syngas

1014			김종학		Amira Abdelrasoul	Prediction of power consumption and performance in ultrafiltration of simulated latex effluent using non-uniform pore size membranes
1028			김종학		Seyed Abbas Mousavi	Effect of CO ₂ -laser irradiation on properties and performance of thin-film composite polyamide reverse osmosis membrane
1037		1	김종학		Sayed Mohsen Hosseini	Surface modification of cation exchange membranes by graft polymerization of PAA-co-PANI/MWCNTs nanoparticles
1047			박윤국		장재언	Chemical potential and solid-solid equilibrium of near-spherical Lennard-Jones dumbbell crystal
1059		1	박윤국		이창하	Combined operation of outlet streams swing with partial-feed in a simulated moving bed
1070			박종곤		조성민	Enhanced moisture-barrier property and flexibility of zirconium oxide/polymer hybrid structures
1075	, 1	4, 1 1	김도형	정상철(순천대) 5 (self 1권 포함) 한정우(서울시립대) 김정규(아주대)	정상철	Facile synthesis of bimetallic Ni-Cu nanoparticles using liquid phase plasma method
1080		1, 1	하기룡		Yonghong Zhou, Meng Zhang	Green plasticizers derived from soybean oil for poly(vinyl chloride) as a renewable resource material
1088			이대연		Zhenwu Kong	Constructing polyurethane foams of strong mechanical property and thermostability by two novel environment friendly bio-based polyols
1095		1	김대수		하기룡	Multiwalled carbon nanotubes and fluoroelastomer antistatic nanocomposite for automotive fuel system components
1104			이대연		Huiliang Zhang	Rheology, mechanical properties and crystallization behavior of glycidyl methacrylate grafted poly(ethylene octane) toughened poly(lactic acid) blends
1115			정경열		Suresh Bandari	Preparation and characterization of docetaxel self-nanoemulsifying powders (SNEPs): A strategy for improved oral delivery

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
1125		" 1 ,,, 2	김범수	서정현(영남대) 이창수(충남대)	차형준 (Invited Review Paper)	Recent developments and applications of bioinspired silicification
1134		, 1	이경범		Norollah Kasiri	Matrix based method for synthesis of main intensified and integrated distillation sequences
1153			최수형		박명준	Modeling and analysis of circulation variables of continuous sorbent loop cycling for CO2 capture
1159			김민찬		최항석	Heat transfer of bio-oil in a direct contact heat exchanger during condensation
1170			김민찬		Ning-De Jin	Ultrasonic method for measuring gas holdup of gas-liquid bubbly flow in a small-diameter pipe
1181		,,, 1	김민찬		Gomadurai Chinnasamy	Development and performance analysis of a novel agitated vessel
1186			김태진		김동현	An improved linear formula for cyclic adsorption, diffusion and reaction in a catalyst
1192		1,, 1	김태진	이재우(KAIST)	Aligholi Niaei	Catalytic removal of CO and NOx using sol-gel synthesized La0.5Co0.5O3 (B=Cr, Mn and Cu) and LaMnCo1-xO3 nano-perovskites
1200			이관영		Pengyong Hoo	Monolaurin yield optimization in selective esterification of glycerol with lauric acid over post impregnated HPW/SBA-15 catalyst
1211		1	신채호	정현욱(영전병진(고려대) 공동교신)	Gholam Reza Molaeimanesh	A pore-scale model for microfibrillar ammonia cracking microreactors via lattice Boltzmann method
1220		1,, 1 ,,, 1 ,,, 1	신채호		Farzaneh Vahabzadeh	Production of a biodiesel additive in a stirred basket reactor using immobilized lipase: Kinetic and mass transfer analysis
1232		1	박은덕	이창수(충남대)&정영민(군산대) 공동교신	Lei Hu	Efficient hydrolysis of cellulose over a magnetic lignin-derived solid acid catalyst in 1-butyl-3-methylimidazolium chloride
1239			신채호		XiaojingMeng, ChunyiLi	Efficient production of propylene and gasoline from methanol in multi-regime riser
1247	, 1	, 1,,, 1 ,,, 1	염영순		Mausumi Mukhopadhyay	Lipase-catalyzed glycerolysis of olive oil in organic solvent medium: Optimization using response surface methodology
1255			이재우		Heidy Visbal	Surface analysis of three aluminum foils and relation to hydrogen generation capability
1261		,,, 1	이재우		Yukihiko Matsumura	Inhibition of char deposition using a particle bed in heating section of supercritical water gasification
1267			추광호		최항석	Utilization of automobile shredder residue (ASR) as a reducing agent for the recovery of black copper
1278		1,,, 1	추광호		Ahad Ghaemi	Experimental investigation of CO2 capture using sodium hydroxide particles in a fluidized bed
1286		, 1	박영권		Elhameh Narimani	Using response surface methodology to optimize ultrasound-assisted oxidative desulfurization
1296		1	추광호		Seyed Ali Jafari	Continuous cadmium removal from aqueous solutions by seaweed in a packed-bed column under consecutive sorption-desorption cycles
1305			박영권		최창식	Effect of efficient supply of pure O2 concentrated by PSA-type O2 separator on improvement of indoor air quality
1311			박영권		최창식	Performance test of PSA-type O2 separator for efficient O2 supply to room ventilation system combined with CO2 adsorption module
1318			김범수		Satya Eswari J.	Artificial neural networks as classification and diagnostic tools for lymph node-negative breast cancers
1325			차형준		Madalina Georgiana Albu, Laura-Cristina Rusu	The effect of lavandula essential oils on release of niflumic acid from collagen hydrolysates
1331		,, 1	김범수	서정현(영남대)	서정현	Noninvasive monitoring of environmental toxicity through green fluorescent protein expressing Escherichia coli
1337			김진련		Wanjun Li	Preparation of γ-alumina nanoparticle modified polyacrylamide composite and study on its solid phase extraction of Sunset Yellow
1345			김범수		강성필	Investigation of xenon and natural gas hydrate as a storage medium to maintain the enzymatic activity of the model proteins
1352	1	,, 3,,, 2 ,,, 1	이병철		Zahra Alaei	Optimization of cationic dye adsorption on activated spent tea: Equilibrium, kinetics, thermodynamic and artificial neural network modeling
1362			이병철		Yu-HsiangWeng, Hwa-JouWei	Pilot-scale study on dehydration of synthetic and lignocellulosic ethanol by NaA membrane
1369		,, 1	박윤국		Jianbin Zhang	Characterization of high-alumina coal fly ash based silicate material and its adsorption performance to CO2
1380			이병철		Farhad Heidary, Ali Reza Khodabakhshi	Novel ion-exchange nanocomposite membrane containing in-situ formed FeOOH nanoparticles: Synthesis, characterization and transport properties
1391		, 1	김종학	배윤상(연세대)	Ehsan Javadi Shokroo	Comparative study of zeolite 5A and zeolite 13X in air separation by pressure swing adsorption
1402		1,,, 1	변헌수		Milad Asgarpour Khansary	Vapor pressure and Flory-Huggins interaction parameters in binary polymeric solutions
1408	,,, 1	,,, 1	변헌수		Ali Ghanadzadeh Gilani	Liquid-liquid equilibrium data in aqueous solutions of propionic and butyric acids with 1-heptanol at T=(298.15, 308.15, and 318.15) K
1416			박윤국		Shangru Zhai, Ruifeng Yang	Removal of Cr(VI) from aqueous solution by rice husk derived magnetic sorbents

1425			박윤국		서용원	Accurate measurement of phase equilibria and dissociation enthalpies of HFC-134a hydrates in the presence of NaCl for potential application.....
1431		2, 2,, 1 ,,, 2	김도형	이도창(KAIST)	JohnJudithVijaya	A comparative study of the effects of CuO, NiO, ZrO2 and CeO2 coupling on the photocatalytic activity and characteristics of ZnO
1441			김지현		유태환	Characterization of lithium tetrafluoroborate and N-methylacetamide complex as electric and ionic conductors
1447	1	, 1,, 2 ,,, 1 ,,,, 1	용기중	김대형(서울대)(self) 한윤봉(전북대) 권용재(서울과기대)& 공도중(연세대) 홍교신	강미숙	Electrochemical performance of three shaped ZnO nanoparticles prepared in LiOH, NaOH and KOH alkaline solutions as anodic materials
1456		, 1	용기중	김우재(가천대)	Hassane Oudadesse	Novel alkali borosilicate glasses: Preparation, structural investigation and thermal study
1462		2, 1,, 1	김대수		Abdolreza Moghadassi	Preparation of mixed matrix PES-based nanofiltration membrane filled with PANI-co-MWCNT composite nanoparticles
1472			이대연		ShengbinHe, XiaopingXu	Filtering absorption and visual detection of methylene blue by nitrated cellulose acetate membrane
1480			김성한		Gurumurthy Hegde	Photoisomerization behavior of photochromic amide-based azobenzene dyes exhibiting H-bonding effect: Synthesis and characterization
1489	1	1,,,, 1	정경열	김대형(서울대)(self) 한정우(서울시립대)	Vaithilingam Selvaraj	Pt and Pt-Sn nanoparticles decorated conductive polymer-biowaste ash composites for direct methanol fuel cell
1500	1, 2 ,,, 1	1,, 1 ,,, 1	정경열	김대형(서울대)(self) 김일태(가천대) 정상철(순천대)(self) 황동수&이진우(POST ECH)(self)	유태경	A facile synthetic route for Co3O4 nanoparticle/porous carbon composite as an efficient anode material for lithium-ion batteries

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시작 page	2018 피인용 수		편집위원	2018 인용자	저자	논문제목
	KJChE	Others				
1505		2,, 1 ,,, 1 ,,,, 3	엄영순	박영권(서울시립대) 4 김범수(충북대) 2 김승도(한림대)	김범수 (Invited Review Paper)	Lignocellulosic and marine biomass as resource for production of polyhydroxyalkanoates
1514			박은덕		Jayeeta Chattopadhyay (Review Paper)	Metal hollow sphere electrocatalysts
1530		,, 2 ,,,, 1	김범수	박경문(홍익대)	김용환 (Rapid Communication)	Alkaliphilic lysine decarboxylases for effective synthesis of cadaverine from L-lysine
1534		1, 1	김민찬	이기봉(고려대)&외국인 공동교신	Masoud Rahimi	Heat transfer and fluid flow modeling in serpentine microtubes using adaptive neuro-fuzzy approach
1551			김태진		Sami Ullah Rather	Trimetallic catalyst synthesized multi-walled carbon nanotubes and their application for hydrogen storage
1557		1,, 1 ,,,, 2	김태진		Dong Wan, Wenbing Li	Heterogeneous Fenton degradation of Orange II by immobilization of Fe3O4 nanoparticles onto Al-Fe pillared bentonite
1565		,,, 1 ,,,, 1	박은덕	이지우&한정우(POST ECH) 공동교신 배종욱(성균관대)	배종욱	Fischer-Tropsch synthesis on the cobalt impregnated catalyst using carbon-coated Ni/SiO2
1571			김태진		Sattar Ghader	Increasing ethylene production as a high value hydrocarbon in Fischer-Tropsch (FT) reactor: A concept reactor for combining FT with oxidative coupling of methane
1590		2, 1,, 2 ,,, 2 ,,,, 10	신채호		S. Arull Antony, A. Manikandan	Fundamental study of LaMgxCr1-xO3-δ perovskites nano-photocatalysts: Sol-gel synthesis, characterization and humidity sensing
1599		, 1,,,, 1	박은덕	박은덕(아주대)	Fabing Su	V-promoted Ni/Al2O3 catalyst for synthetic natural gas (SNG) production: Catalyst preparation methodologies
1606			이재우		이종근	Effect of temperature on the electrochemical oxidation of ash free coal and carbon in a direct carbon fuel cell
1612			이재우		송주현	Flash spray characteristics of a coal-liquid carbon dioxide slurry
1620		, 2	추광호		최호석, Vladimir V. Rybkin	Phenol decomposition in water cathode of DC atmospheric pressure discharge in air
1629		1	추광호		Mehdi Irannajad	Kinetic, thermodynamic and equilibrium studies on the removal of copper ions from aqueous solutions by natural and modified clinoptilolites
1640		1	추광호	김창구(아주대)	Chunyue Cui	Synthesis of magnetic Co1-xNixFe2O4/carbon nanotubes with controlled microstructure for adsorption of pentachlorophenol
1647			박영권		오성근	Effects of surfactants on the preparation of TiO2 nanoparticles in microwave-assisted sol-gel process and their photocatalytic activity
1653		, 1	김진련		Ke-quan Chen	Plasma treatment of multi-walled carbon nanotubes for lipase immobilization
1659			김범수		Hafed Elfeki	Antibacterial and in vivo reactivity of bioactive glass and poly(vinyl alcohol) composites prepared by melting and sol-gel techniques
1669		,, 2	김범수		김범수	Production of polyhydroxyalkanoates by batch and fed-batch cultivations of Bacillus megaterium from acid-treated red algae
1674			김종학		Zhaoping Zhong	Intelligent identification of the flow regimes of two-component particles in a fluidized bed with the optimized fuzzy c-means clustering algorithm
1681		,,, 1 ,,,, 1	박윤국		Paramita Bhattacharjee	Mathematical modeling of supercritical carbon dioxide extraction of methyl eugenol from tuberose flowers
1692			변헌수		Hongya Yue	Densities and surface tensions of binary mixtures of biodiesel, diesel, and n-butanol
1698			변헌수		William Eugene Acree Jr.	Calculation of solubility of N-ethylcarbazole in ethanol + petroleum ether mixtures at various temperatures
1706			변헌수		박영준, 이훈	Tuning magnetism via selective injection into ice-like clathrate hydrates
1712			변헌수		서유택, 이훈	One-dimensional approaches for methane hydrate production by CO2/N2 gas mixture in horizontal and vertical column reactor
1720			용기중		KunalPal, ArfatAnis	Effect of sorbitan monostearate concentration on the thermal, mechanical and drug release properties of oleogels
1728			용기중		신규철, 이훈	Structural identification of DCIO4 clathrate hydrates: Neutron powder diffraction analysis
1736			김대수		Manawwer Alam	Anticorrosive properties of olive oil polyurethanamide/ZnO biocomposite coatings
1743		1,, 1 ,,, 1 ,,,, 1	김대수		김영복	Superhydrophobic, flexible and gas-permeable membrane prepared by a simple one-step vapor deposition
1749		,, 2 ,,,, 3	정경열		Tsutomu Uchida	Generation of micro- and nano-bubbles in water by dissociation of gas hydrates

Volume 33 number 6		2016년 6월호		2/30 18/1/8, 10/30 18/2/9,, 19/30 18/3/23,,, 26/30 18/5/15,,,, 33/30 18/7/4		
시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
1757		, 1,, 1 ,,, 2	김민찬	이대연(University of Pennsylvania)	이대연 (Invited Review Paper)	Recent developments in scale-up of microfluidic emulsion generation via parallelization
1767	,, 1	,, 1	이재우	류창국(성균관대)(self)	전중환(Review Paper)	Dynamic modeling and simulation of reaction, slag behavior, and heat transfer to water-cooling wall of shell entrained-flow gasifier
1777		1, 1	박은덕		한종인, 윤형철 (Rapid Communication)	Electrochemical synthesis of ammonia from water and nitrogen catalyzed by nano-Fe2O3 and CoFe2O4 suspended in a molten LiCl-KCl-CsCl electrolyte
1781	, 1	,, 1	박은덕	신채호(충북대)(self) 김도희(서울대)	노현석	Preferential CO oxidation over supported Pt catalysts
1788		, 2,, 1 ,,, 1	박은덕		Rajesh Jagannath Tayade	Facile synthesis of TiO2/ZnFe2O4 nanocomposite by sol-gel auto combustion method for superior visible light photocatalytic efficiency
1799		, 2,,,, 1	신채호	김도희(서울대)	이재성	Enhanced activity of carbon-supported PdCo electrocatalysts toward electrooxidation of ethanol in alkaline electrolytes
1805		,, 1	엄영순		박종문, 하정협	Effects of the ratio of carbon to nitrogen concentration on lipid production by bacterial consortium of sewage sludge using food wastewater as a carbon source
1813		,, 1	이재우		강성필	Influence of polymeric additives on paraffin wax crystallization in model oils
1823		,, 1 ,,, 1	박영권		Hongmin Yang	Catalytic oxidation and capture of elemental mercury from simulated flue gas using Mn-doped titanium dioxide
1831			박영권		설용건	The particle size effect of N-doped mesoporous carbons as oxygen reduction reaction catalysts for PEMFC
1837		, 1	추광호		Jiang Wu, Weiguo Zhou	CeO2-La2O3/ZSM-5 sorbents for high-temperature H2S removal
1846		,, 1	박영권		Ying Yan	Catalytic activity of copper-ceria catalysts supported on different zeolites for CO oxidation
1855			추광호		김영훈	Electrochemical degradation of organic dyes with a porous gold electrode
1860		,, 1 ,,, 1	김범수		Pradip B. Dhamole	Extraction of p-coumaric acid from agricultural residues and separation using 'sugaring out'
1865			김진련		박두현	Bio-electrochemical conversion of atmospheric N2 to ammonium using free-living diazotrophs
1872			차형준		조훈	Antihyperglycemic and antioxidant activities of polysaccharide produced from Pleurotus ferulae in streptozotocin-induced diabetic rats
1883		,, 1	이병철		Jianbin Zhang	A novel CCU approach of CO2 by the system 1,2-ethylenediamine+1,2-ethylene glycol
1889			이병철		문성용	Optimization study of a batch chromatographic process based on Amberchrom-CG161C adsorbent for separation of valine from a ternary amino acid mixture
1897			변헌수		이흔	Thermodynamic and spectroscopic identification of aldehyde hydrates
1903		,, 1 ,,, 1	변헌수	광상규(UNIST)& 박영준(GIST) 공동교신 이재우(KAIST)&신규철(경북대) 공동교신	이흔	Experimental verifications of Mpemba-like behaviors of clathrate hydrates
1908		,, 1	박윤국		이두환, 우희철	Deep desulfurization of fuel gas by adsorption on Cu-impregnated activated carbons in practical conditions
1917		,, 1	박윤국		Saneshiro Muromachi	Bulk phase behavior of tetra-n-butylammonium bromide hydrates formed with carbon dioxide or methane gas
1922			박윤국		Rajnish Kumar	Crystallization kinetics for carbon dioxide gas hydrate in fixed bed and stirred tank reactor
1931		,, 1	김도형		Yuming Zhou	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity
1938			김도형		박윤국	Effects of additives on the mechanical and thermal properties of epoxy-based nanocomposites produced using sonication
1942			용기중		Ryo Ohmura	Crystal growth of ionic semicathrate hydrate formed at interface between CO2+N2 gas mixture and tetrabutylammonium bromide aqueous solution
1948			김대수		AL. Kavitha	Electrochemical study of Magnetite-CH composite carbon paste modified electrode
1954			하기룡		Jamal Aalaie	Colloidal dispersion gels based on sulfonated polyacrylamide and chromium triacetate for harsh-environment
1964	,, 1		이대연		Mohammad Jalal Zohuriaan-Mehr	HMF synthesis in aqueous and organic media under ultrasonication, microwave irradiation and conventional heating
1971	1		정경열	김대형(서울대)(self)	조성민	Extremely flexible organic-inorganic moisture barriers

Volume 33 number 7		2016년 7월호		13/30 18/1/8, 23/30 18/2/9,, 36/30 18/3/23,,, 50/30 18/5/15,,,, 69/30 18/7/4		
시작 page	2018 피인용 수		편집월	2018 인용자	저자	논문제목
	KJChE	Others				
1977		1, 2 1	변헌수		이혼(Invited Review Paper)	Phase behavior of gas hydrates in nanoporous materials: Review
1989		3, 1, 3 3 3	김태진	이동현(중앙대)	Hemraj Mahipati Yadav, Shivaji Hariba Pawar (Review Paper)	Developments in photocatalytic antibacterial activity of nano TiO2: A review
1999	1	1	최수형	문일(연세대)(self) 김정환(생기연)	문일	Kriging models for forecasting crude unit overhead corrosion
2007		1	안경현		Liangchao Li	Numerical simulation of flow field characteristics in a gas-liquid-solid agitated tank
2018			이관영		Mohammad Ebrahim Olya	Highly efficient Al-doped ZnO:Ag catalyst for RB19 photocatalytic degradation: Microwave-assisted synthesis and characterization
2027		2, 1	김태진	이도창(KAIST)	Mohamed Trari	Ni2+ reduction under solar irradiation over CuFe2O4/TiO2 catalysts
2034		1, 1	김태진		Shaoping Guo, Liangfu Zhao	The catalytic performance of methylation of naphthalene with methanol over SAPO-11 zeolites synthesized with different Si content
2042		1, 1	엄영순		Mehdi Ardjmand	Prediction of biodiesel properties and its characterization using fatty acid profiles
2050		3, 1	이재우		Praveen Linga	Mechanism of methane hydrate formation in the presence of hollow silica
2063		2	엄영순		Xiaoxiang Han, Shang-Bin Liu	Transesterification of soybean oil to biodiesel by tin-based Brønsted-Lewis acidic ionic liquid catalysts
2073		1, 1	임광희		Weihua Zou, Lie Liu	Investigation of synergistic adsorption between methyl orange and Cd(II) from binary mixtures on magnesium hydroxide modified clinoptilolite
2084			임광희		나병기	Effects of oxidized biodiesel on formation of particulate matter and NOx from diesel engine
2090		1	추광호		Mali Hunsom	Treatment of biodiesel wastewater by indirect electrooxidation: Effect of additives and process kinetics
2097		1	박영권	전종기(공주대)	Xin Zhang	Coupling conversion of methanol and 1-butylene to propylene on HZSM-5 molecular sieve catalysts prepared by different methods
2107		1	박영권		Suja Purushothaman Devipriya	Recovery and reuse of TiO2 photocatalyst from aqueous suspension using plant based coagulant - A green approach
2114			임광희		Nilanjana Das	Adsorptive removal of nickel(II) ions from aqueous environments using gum based and clay based polyaniline/chitosan nanobiocomposite beads and microspheres: Equilibrium, kinetic, thermodynamics and ex-situ studies
2127			김범수		김은기	Tuning surface-active properties of bio-surfactant sophorolipids by varying fatty-acid chain lengths
2134		3, 1 1 3	김범수	박영권(서울시립대) 3	Houfang Lu	Effects of ball milling on structural changes and hydrolysis of lignocellulosic biomass in liquid hot-water compressed carbon dioxide
2142			이병철		조희찬	Coal and solvent properties and their correlation with extraction yield under mild conditions
2160		2, 1	김종학		Abolfazl Dastbaz	Vacuum enhanced membrane distillation for trace contaminant removal of heavy metals from water by electrospun PVDF/TiO2 hybrid membranes
2169		1 1	김종학		Jinrong Liu	Computational fluid dynamics simulation and particle image velocimetry experimentation of hydrodynamic performance of flat-sheet membrane bioreactor equipped with micro-channel turbulence promoters with micro-pores
2179	1		이병철	박윤국(홍익대)(self)	박상진	Liquid-liquid equilibrium data for water-ethanol-entrainer ternary system with entrainers: Cyclohexane, n-pentane, DEE (diethyl ether), DIPE (di-isopropyl ether), ETBE (ethyl tert-butyl ether)
2186		1, 1	변헌수	김종학(연세대)&김정환(생기연) 공동교신 김종학(연세대)	이종원	13C NMR analysis of C2H6 + C2H4 + THF mixed hydrate for an application to separation of C2H4 and C2H6
2191		1	변헌수	박병홍(한국교통대)	박병홍	Volumetric properties of binary mixtures of 1-butyl-3-methylimidazolium halides with water, methanol or ethanol at 293.15 to 318.15 K
2205		1, 1	박윤국		Alireza Keshtkar	Continuous biosorption of U(VI) and Fe(II) using Cystoseira indica biomass packed bed column: Breakthrough curves studies in single, binary and multi-component systems
2215		2, 1 1	김도형	박영권(서울시립대)	Guoting Li	Effect of pyrolytic temperature on the adsorptive removal of p-benzoquinone, tetracycline, and polyvinyl alcohol by the biochars from sugarcane bagasse
2222		1 1	용기중		Furhan Iqbal	Biocompatibility of cobalt iron oxide magnetic nanoparticles in male rabbits
2228	1	1, 1 1 1	용기중	이성훈(중앙대) 이동현(중앙대) 김정환(생기연) 김종학(연세대) 박정민(전남대) 박정민(건국대) 공동교신 박정민(아주대) 공동교신	김일	Hierarchically nanostructured carbon-supported manganese oxide for high-performance pseudo-capacitors
2235		1	이대연		전민구	Electrolytic reduction rate of porous UO2 pellets
2240		2	정경열		Hua-wei Jiang	Detection of gas-solid flow faults of a circulating fluidized bed using pressure fluctuations in wind caps

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
2253		1, 2,, 1 ,,, 1 ,,,, 2	박영권	한정우(서울시립대) 김동표(POSTECH) 이창수(충남대)	김동표 (Invited Review Paper)	Recent advances for serial processes of hazardous chemicals in fully integrated microfluidic systems
2268		1,,, 2 ,,,, 2	임광희	박영권(서울시립대)	최항석(Review Paper)	Influence of process conditions on product yield of waste tyre pyrolysis- A review
2287		1	김대수	이도창(KAIST)	차국현, Jeffrey Pyun (Rapid Communication)	Arm length dependency of Pt-decorated CdSe tetrapods on the performance of photocatalytic hydrogen generation
2291			최수형		ShuJiao Tong	Study on risk assessment of chemical process based on an advanced layers of protection analysis method
2298		1	안경현	정현욱(원전병진(고려대) 공동교신	구상균	Large-scale calculation of hydrodynamic transport properties for random suspensions of hard-sphere particles
2308		,, 1	김태진		이건상	Simulation-based optimization of gas condensate wells to mitigate the heavy hydrocarbon condensation through supercritical CO2 injection
2319		,, 1	박은덕		Mohammad Reza Khosravi-Nikou	A selective catalyst for methanol conversion into light olefin with a high propylene to ethylene ratio
2325		1, 1 ,,, 1	신채호	김도형(전남대) 유태경&박범준(경희대) 공동교신	박정용	Photocatalytic activity of metal-decorated SiO2@TiO2 hybrid photocatalysts under water splitting
2330		,,, 1	엄영순		Wei Chen	Chemical kinetics of bean straw biofuel pyrolysis using maximum volatile release method
2337			엄영순		노경호	Determination of deep eutectic solvents as eco-friendly catalysts for biodiesel esterification from an alcohol-palmitic acid mixture
2342		,, 1	엄영순		MaríaBelén García-Jarana	Use of supercritical methanol/carbon dioxide mixtures for biodiesel production
2350	,, 1	3, 2,, 2 ,,, 1 ,,,, 3	엄영순	박영권(서울시립대) 8 김승도(한림대)	김승도	Pyrolysis kinetics and product properties of softwoods, hardwoods, and the nut shell of softwood
2359			추광호		Yingwu Yin	Hydrogen sulfide removal by copper sulfate circulation method
2366		,, 1	박영권		Abdelkader Hellal	An eco-friendly procedure for the efficient synthesis of diethyl α-aminophosphonates in aqueous media using natural acid as a catalyst
2374		1,,, 1	추광호	백기태(전북대)	Ratnakaram Venkata Nadh	Kinetic, thermodynamic and equilibrium studies on removal of hexavalent chromium from aqueous solutions using agro-waste biomaterials, casuarina equisetifolia L. and sorghum bicolor
2384		,, 1,,, 1	추광호		Mohsen Moussavi	Chelate-modified fenton treatment of sulfidic spent caustic
2392		,,, 1	박영권	전기준(인하대)	서정원	Enhancement of photocatalytic disinfection of surface modified rutile TiO2 nanocatalyst
2396		1	김진련		Ambarish Sharan Vidyarthi	Enhancement of Chlorella vulgaris cell density: Shake flask and bench-top photobioreactor studies to identify and control limiting factors
2406			김진련		최유성	Recombinant production and biochemical characterization of a hypothetical acidic shell matrix protein in Escherichia coli for the preparation of protein-based CaCO3 biominerals
2411			박윤국		김명진	Optimal conditions for recovering boron from seawater using boron selective resins
2418		,,, 1	박윤국		박균영	Separation of triethoxysilane from tetraethoxysilane by batch distillation in a packed column
2426			이병철		Farzaneh Feyzi	Four phase hydrate equilibria of methane and carbon dioxide with heavy hydrate former compounds: Experimental measurements and thermodynamic modeling
2439			김종학		Ahmad Akbari	Sulfonation and mixing with TiO2 nanoparticles as two simultaneous solutions for reducing fouling of polysulfone loose nanofiltration membrane
2453	,, 1		김종학		Rizhi Chen	Efficient recovery of ultrafine catalysts from oil/water/solid three-phase system by ceramic microfiltration membrane
2460			변현수		Jun Wang	Density, viscosity, refraction index and excess properties of binary mixtures of 1-(1-methylpiperidinium-1-yl) pentane-(1-pyridinium) bis(trifluoromethane) sulfonamide with acetonitrile at T= (293.15 to 323.15) K
2469		, 1	용기중	김우재(가천대)	하기룡	Spectroscopic analysis of methacrylate groups introduced on silica particle surfaces by the aza-Michael addition reaction
2478			이대연		Ting Qiu	Reaction kinetics for synthesis of isopropyl myristate catalyzed by sulfated titania
2486		,, 1	김대수		박진호	Formation and characterization of CuInSe2 thin films from binary CuSe and In2Se3 nanocrystal-ink spray
2492		, 1,, 2 ,,, 1 ,,,, 1	정경열		SalahMohamed El-Bahy	Synthesis and characterization of a new iminodiacetate chelating resin for removal of toxic heavy metal ions from aqueous solution by batch and fixed bed column methods
2502		,, 1 ,,, 1	정경열		Syed Shatir Asghrar Syed-Hassan	Optimization of the preparation of activated carbon from palm kernel shell for methane adsorption using Taguchi orthogonal array design

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	KJChE	Others				
2513		, 1,, 1	이경범	김영환(동아대) 이종민(서울대)	김영환 (Invited Review Paper)	Design and control of energy-efficient distillation columns
2522		1,,, 1	김민찬		Mehrdad Mozaffarian	Viscosity and rheological properties of ethylene glycol+water+Fe3O4 nanofluids at various temperatures: Experimental and thermodynamics modeling
2530		,,, 1	김태진		Waqas Ahmad	Desulfurization of liquid fuels by air assisted peracid oxidation system in the presence of Fe-ZSM-5 catalyst
2538			신채호		Sepehr Sadighi	A two-dimensional discrete lumped model for a trickle-bed vacuum gas oil hydrocracking reactor
2547		, 1,,, 1 ,,, 1	박은덕	김도희(서울대) 3	김도희	CeO2-TiO2 catalyst prepared by physical mixing for NH3 selective catalytic reduction: Evidence about the migration of sulfates from TiO2 to CeO2 via simple calcination
2555		1,,, 2 ,,, 1	신채호		Mohammad Haghighi	C2H6/CO2 oxidative dehydrogenation (ODH) reaction on nanostructured CrAPSO-34 catalyst: One-pot hydrothermal vs. conventional hydrothermal/impregnation catalyst synthesis
2567		1	이재우	이시훈(전북대)	Abdul Waheed Bhutto, Humair Ahmed Baloch	Parametric study of pyrolysis and steam gasification of rice straw in presence of K2CO3
2575			엄영순		Zhongming Wang	Optimization of algal lipid extraction by mixture of ethyl acetate and ethanol via response surface methodology for biodiesel production
2582		, 1	이재우		이현주	Fe/N/C catalysts synthesized using graphene aerogel for electrocatalytic oxygen reduction reaction in an acidic condition
2589	1,, 1 ,, 1	2, 2,, 1 ,, 3	임광희	백기태(전북대) 3(self 1편 포함) 박영권(서울시립대)	Bahman Ramavandi	Physico-chemical study of dew melon peel biochar for chromium attenuation from simulated and actual wastewaters
2602		,,, 1	추광호	추광호(경북대)	Mabrouk Ben Brahim	Electrochemical removal of the insecticide imidacloprid from water on a boron-doped diamond and Ta/PbO2 anodes using anodic oxidation process
2610			박영권		윤용승	Operational characteristics of the pilot-scale coal gasification with filtration and hot fuel gas desulfurization
2622			박영권		Xingjun Yao, Yan Zhang, Lingyun Du	Efficient continuous epoxidation of biodiesel in a microstructured reactor
2628		1,,, 2	박영권	이재우(KAIST)	Ali Farzi	An experimental and kinetic study of toluene oxidation over LaMn1-xBxO3 and La0.8A0.2B0.7Mn0.3O3 (A=Sr, Ce and B=Cu, Fe) nano-perovskite catalysts
2638	,, 1	3, 2 ,, 2 ,,, 1	김범수	박영권(서울시립대) 5	Hui Zhou, Yanguo Zhang	Interactions among biomass components during co-pyrolysis in (macro)thermogravimetric analyzers
2644		1	차형준		서태석	An integrated slidable direct polymerase chain reaction-capillary electrophoresis microdevice for rapid Y chromosome short tandem repeat analysis
2650		,,, 1	김승욱		Everaldo Silvino dos Santos	Modeling and simulation of Bacillus cereus chitosanase activity during purification using expanded bed chromatography
2659			이병철		Wenjing Xu	Synthesis of acrylic-lignosulfonate resin for crystal violet removal from aqueous solution
2668			김종학		Haigang Li	On the cleaning procedure of reverse osmosis membrane fouled by steel wastewater
2674		,,, 1	김종학		Abdolreza Moghadassi	Fabrication of novel polyethersulfone based nanofiltration membrane by embedding polyaniline-co-graphene oxide nanoplates
2684		, 1,, 1	박윤국		이만승	Selective recovery of Fe(III), Pd(II), Pt(IV), Rh(III) and Ce(III) from simulated leach liquors of spent automobile catalyst by solvent extraction and cementation
2691		1,, 3 ,,, 1	박윤국	박영권(서울시립대) 3 유윤(부경대)	우희철	Characterization of the bio-oil and bio-char produced by fixed bed pyrolysis of the brown alga Saccharina japonica
2699			박윤국		이신근	Ultra-thin Ni dense membrane prepared by polishing treatment of porous nickel support for high-temperature H2 separation
2703		,,, 1	김도형		Yong Sun	Hydrochar preparation from black liquor by CO2 assisted hydrothermal treatment: Optimization of its performance for Pb2+ removal
2711			김도형		김창구	Effect of oxygen flow rate on the electrical and optical characteristics of dopantless tin oxide films fabricated by low pressure chemical vapor deposition
2716		,, 1,,, 1	이대연		Senthil Kumar Ponnusamy	Influence of ultrasonication on preparation of novel material for heavy metal removal from wastewater
2732			김대수		임상혁	Formation of uniform TiO2 nanoshell on α-alumina nanoplates for effective metallic luster pigments
2738	,,, 1	,,, 1	이대연	김병상(홍익대)(self)	박수남	Physical characteristics and in vitro skin permeation of elastic liposomes loaded with caffeic acid-hydroxypropyl-β-cyclodextrin
2747		2,, 1 ,,, 2	정경열	배윤상(연세대) 4	Zhiyong Deng, Gongying Wang	Synthesis of metal organic framework (MOF-5) with high selectivity for CO2/N2 separation in flue gas by maximum water concentration approach
2756		,,, 2	정경열		Kamar Shah Ariffin	A novel rapid mist spray technique for synthesis of single phase precipitated calcium carbonate using solid-liquid-gas process

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
3035		1,,, 2 ,,, 1	하기룡		김대수 (Invited Review Paper)	Recent development in thermoplastic/wood composites and nanocomposites: A review
3050			김민찬		Eakarach Bumrungthaichaichan (Review Paper)	A review on numerical consideration for computational fluid dynamics modeling of jet mixing tanks
3069		, 1,,,, 1	김민찬	안경현(서울대)	안경현(Review Paper)	A review on particle dynamics simulation techniques for colloidal dispersions: Methods and applications
3079			최수형		이지태	Extremum seeking control using a partial sum of input-output product
3085		1, 1 ,,, 1 ,,, 1	김민찬	김종학(연세대)&김정훈(화학연) 공동교신 김종학(연세대)	Seyed Saeid Hosseini	Gas permeation and separation in asymmetric hollow fiber membrane permeators: Mathematical modeling, sensitivity analysis and optimization
3102		,,, 1	김태진		Zhenzhen Guan	NOx removal by non-thermal plasma at low temperatures with amino groups additives
3109			박은덕		이득기	Kinetic modeling and dynamic simulation for the catalytic wet air oxidation of aqueous ammonia to molecular nitrogen
3115			신재호		윤왕래	The promotional effect of K on the catalytic activity of Ni/MgAl2O4 for the combined H2O and CO2 reforming of coke oven gas for syngas production
3121			이재우		정창복	Effect of gas diffusion layer compression on the polarization curves of a polymer electrolyte membrane fuel cell: Analysis using a polarization curve-fitting model
3128		1, 1	엄영순	박영권(서울시립대) 2	고재홍, 김진수	Thermogravimetric characteristics of α-cellulose and decomposition kinetics in a micro-tubing reactor
3134		1, 1,, 1 ,,, 1 ,,, 1	임광희		Huawei Zhang	Elemental mercury removal from syngas at high-temperature using activated char pyrolyzed from biomass and lignite
3141			추광호		Yafei Zhao, Hongsong Zhang	Efficient removal of methylene blue in aqueous solution by freeze-dried calcium alginate beads
3149		, 1,,, 3 ,,, 2	추광호		Glaydson Simoes dos Reis	Activated carbon from sewage sludge for removal of sodium diclofenac and nimesulide from aqueous solutions
3162		,,, 1 ,,, 1	박영권		조영민	CO2 decomposition using metal ferrites prepared by co-precipitation method
3169		,,, 1	차형준		Touseef Amna, 길명섭	Low temperature synthesis of Manganese tungstate nanoflowers with antibacterial potential: Future material for water purification
3175			김범수		김진현	Kinetics and thermodynamics of paclitaxel extraction from plant cell culture
3184	,, 1	, 1	김종학	김종학(연세대)	Mohammad Reza Mehrnia	Fabrication of polysulfone/zinc oxide nanocomposite membrane: Investigation of pore forming agent on fouling behavior
3194			이병철		Majid Pakizeh	Modeling of gas permeation through mixed matrix membranes using a comprehensive computational method
3203	,, 1	,, 1,,, 1	변헌수	정경열(공주대)	김영훈	Superhydrophilic-underwater superoleophobic TiO2-coated mesh for separation of oil from oily seawater/wastewater
3207		,,, 1	변헌수	김재창(경북대)	김재창	Regenerable potassium-based alumina sorbents prepared by CO2 thermal treatment for post-combustion carbon dioxide capture
3216		,,, 1	변헌수	이재우(KAIST)&신규철(경북대) 공동교신	이상용	Determination of reference enthalpies and thermal expansivity using molecular dynamic simulations in the distortion model of gas hydrates
3222	,, 2,,, 1	1, 1,, 1 ,,, 1	박윤국	김종학(연세대)&김정훈(화학연) 공동교신 강미숙(영남대)(self) 이재우(KAIST)(self)	윤여일	CO2 absorption characteristics of a piperazine derivative with primary, secondary, and tertiary amino groups
3231			변헌수		Aliakbar Roosta	Volumetric properties of supercritical carbon dioxide from volume-translated and modified Peng-Robinson equations of state
3245		1,, 1	용기중	이강택(연세대)	한학수	Heat dissipation properties of polyimide nanocomposite films
3251			김지현		Guorui Zhu	Optimization of operating conditions in the purification of graphite oxide dispersions
3258			김지현		한춘	Effects of modified LDPE on physico-mechanical properties of HDPE/CaCO3 composites
3267		,, 1	하기룡		강신춘	Thermal decomposition kinetics and characterization of poly(butylene 2,5-furandicarboxylate)/Closite30B composites
3273			하기룡		Mohammad Nader Lotfollahi	A new polymeric additive as asphaltene deposition inhibitor in CO2 core flooding
3281		,,, 1	이대연		Alok Sinha	Zero valent iron-mediated rapid removal of bis-azo dye in solution amended with dyebath additives: Biphasic kinetics and modelling
3289	1	, 1 ,,, 2	정경열	김대형(서울대)(self)	Ali AsgharS arabi, Majid Abdouss	Synthesis and characterization of magnetic molecularly imprinted polymer nanoparticles for controlled release of letrozole

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
3299		4, 2,, 1 ,,, 2 ,,,, 6	엄영순	박영권(서울시립대) 11 김승욱(고려대)	박영권 (Invited Review Paper)	Recent advances in the catalytic hydrodeoxygenation of bio-oil
3316			김대수		Khalid Mahmood Zia (Review Paper)	Enhancement of bioactivity and bioavailability of curcumin with chitosan based materials
3330			추광호		Panich Intra (Rapid Communication)	Comparison of electrostatic charge and beta attenuation mass monitors for continuous airborne PM10 monitoring under field conditions
3337		,, 1,,, 1	김민찬		Soubhik Kumar Bhaumik (Rapid Communication)	Minimizing axial dispersion in narrow packed column using superhydrophobic wall
3343			최수형		Muhammad Tajammal Munir	Modelling batch bioreactions with continuous process simulators
3350		,,, 1	안경현		Masoud Riazi	Performance of polyacrylamide/Cr(III) gel polymer in oil recovery from heterogeneous porous media: An experimental study
3359		, 1,,, 4	박은덕	신채호(충북대) 고창현(전남대)	Mehran Rezaei	The effect of promoters on the CO2 reforming activity and coke formation of nanocrystalline Ni/AI2O3 catalysts prepared by microemulsion method
3367		,,, 1	김태진		이승목	Nanopillars TiO2 thin film photocatalyst application in the remediation of aquatic environment
3374			박은덕		Duan-Jian Tao, Xiang-Shu Chen	Remarkably efficient hydrolysis of cinnamaldehyde to natural benzaldehyde in amino acid ionic liquids
3381	1,,, 1	,,, 1	박은덕	황성원(인하대)(self) 여영구(한양대)(self)	유준	Design and analysis of a diesel processing unit for a molten carbonate fuel cell for auxiliary power unit applications
3388		1,,, 1	엄영순	황경란(KIER)&이관영(고려대) 공동교신	Achanai Buasri, Vorrada Loryuenyong	Rapid transesterification of Jatropha curcas oil to biodiesel using novel catalyst with a microwave heating system
3401			박영권		이재우	Efficient in situ drying of low rank coal in a pressurized down-flow flash dryer
3407		2	박영권		Yuanquan Xiong	Enhancement of NO absorption in ammonium-based solution using heterogeneous Fenton reaction at low H2O2 consumption
3417	1	1	박영권	황성원(인하대)(self) 김종학(연세대)&김정훈(화학연) 공동교신	황성원	Production of butene and butadiene by oxidative dehydrogenation of butane over carbon nanomaterial catalysts
3425		, 1	추광호		Chaochen Ma	Polycyclic aromatic hydrocarbon emissions of non-road diesel engine treated with non-thermal plasma technology
3434		1,, 1 ,,, 1	차형준	권용재&정용진(서울과기대) 공동교신 2 김승욱(고려대)	김승욱	Production and characterization of cellobiose dehydrogenase from Phanerochaete chrysosporium KCCM 60256 and its application for an enzymatic fuel cell
3442		1,, 1 ,,, 1	차형준	김일태&김문일(가천대) 공동교신 권용재(서울과기대)&정용진(한국교통대) 공동교신	박돈희	Highly sensitive and selective dopamine detection by an amperometric biosensor based on tyrosinase/MWNT/GCE
3448		,, 3,,, 1	변현수	김재창(경북대) 권영욱(성균관대)	김재창	Effects of alkali-metal carbonates and nitrates on the CO2 sorption and regeneration of MgO-based sorbents at intermediate temperatures
3456			김종학		전보현	Well-pattern investigation and selection by surfactant-polymer flooding performance in heterogeneous reservoir consisting of interbedded low-permeability layer
3465		,,, 1	박윤국		윤여일	CO2 capture using aqueous solutions of K2CO3+2-methylpiperazine and monoethanolamine: Specific heat capacity and heat of absorption
3473			박윤국		윤여일	CO2 absorption, density, viscosity and vapor pressure of aqueous potassium carbonate+2-methylpiperazine
3487			변현수		Xu Han	Comparative study of homogeneous nucleation rate models for wet steam condensing flows
3493			이병철		Jianbin Zhang, Xionghui Wei	Experimental solubility and absorption mechanism of dilute SO2 in aqueous diethylene glycol dimethyl ether solution
3504		,,, 1	김도형		Yuantao Chen	Rapid adsorption of cobalt (II) by 3-aminopropyltriethoxysilane modified halloysite nanotubes
3511	1		김지현	주창식(부경대)(self)	주창식	Preparation of indium tin oxide powder from low-grade metallic indium and tin
3516		2,,, 1	용기중	김도형(전남대) 2 백기태(전북대)	김도형	Iron oxide grown by low-temperature atomic layer deposition
3523		1	김대수	윤상준(KIER)	손정민	Water gas shift reaction in a catalytic bubbling fluidized bed reactor
3529		,,, 3	이대연		Seyed Saeid Hosseini	Enhancing removal and recovery of magnesium from aqueous solutions by using modified zeolite and bentonite and process optimization
3541		,, 1	김대수		Yujiang Li, Tao Wu	Rapid and effective removal of sodium lignosulfonate from aqueous solutions by in-situ formed magnesium hydroxide
3550			정경열		Tri-Dung Ngo	Wet process and exfoliation of clay in epoxy

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	KJChE	Others				
1		2, 1 ,,, 1	박윤국	이기봉(고려대)&외국인 공동교신 이기봉(고려대)	이기봉(RAPID COMMUNICATION)	Simplified synthesis of K ₂ CO ₃ -promoted hydrotalcite based on hydroxide-form precursors: Effect of Mg/Al/K ₂ CO ₃ ratio on high-temperature CO ₂ sorption capacity
6			최수형		유창규	Performance assessment and system optimization of a combined cycle power plant (CCPP) based on exergoeconomic and exergoenvironmental analyses
20	1		김민찬	여영구(한양대)(self)	Zhulin Yuan	Modeling and simulation of drying characteristics on flexible filamentous particles in rotary dryers
29	1,,, 1	,,, 1	이관영	강미숙(영남대)(self)	Yongqiang Xue, Yisheng Tan	Effect of calcination atmospheres on the catalytic performance of nano-CeO ₂ in direct synthesis of DMC from methanol and CO ₂
37			박은덕		안화승	Extrapolation of the Clausius-Clapeyron plot for estimating the CO ₂ adsorption capacities of zeolites at moderate temperature conditions
41		2,,, 1	김태진		Fengxian Qiu	Structural evolution of hierarchical porous NiO/Al ₂ O ₃ composites and their application for removal of dyes by adsorption
54			이재우		이진욱	Pneumatic transport characteristics of coarse size pulverized coal for the application of fast circulating fluidized bed gasification
62		,,, 1	이재우		한종인	Harvesting of Scenedesmus obliquus cultivated in seawater using electro-flotation
66			박영권		Seyed Ali Hosseini	Synthesis of γ -alumina nano powder from Nepheline syenite
73		,,, 1	박영권		Hsiu-Po Kuo	Photocatalytic degradation of toluene in a staged fluidized bed reactor using TiO ₂ /silica gel
81			박영권		이광복	Effect of acid treatment of Fe-BEA zeolite on catalytic N ₂ O conversion
87	,, 1		박영권		Farhad Shahraki	Enhancement of gasoline selectivity in combined reactor system consisting of steam reforming of methane and Fischer-Tropsch synthesis
100		,,, 1	박영권		전종기, 장희동	Prospective application of carbon-silica derived from SiC-Si sludge as a support for Fe catalysts
105			차형준		박시재, 나정걸	Bio-solubilization of the untreated low rank coal by alkali-producing bacteria isolated from soil
110		1,, 1 ,,, 2	김승욱	이창수(충남대)&정영민(군산대) 공동교신 박영권(서울시립대)	Linhua Gan	Synthesis and characteristics of lignin-derived solid acid catalysts for microcrystalline cellulose hydrolysis
118		,, 1 ,,, 1	김범수		Venkata Dasu Veeranki	Kinetics of growth on dual substrates, production of novel glutaminase-free L-asparaginase and substrates utilization by Pectobacterium carotovorum MTCC 1428 in a batch bioreactor
127		, 1,,, 1	김범수	권용재(서울과기대)	Shizhong Li	Extraction of bioethanol from fermented sweet sorghum bagasse by batch distillation
133	,,, 1	,,, 1	김범수	김범상(홍익대)(self)	김범상	Skin permeability of compounds loaded within dissolving microneedles dependent on composition of sodium hyaluronate and carboxymethyl cellulose
139		1	차형준		조훈	Algicidal effects of thiazolinedione derivatives against Microcystis aeruginosa
150			변현수		Masoud Farsiani	Hydrodynamic characteristics of valve tray: Computational fluid dynamic simulation and experimental studies
160		,,, 2	김종학		Gholamreza Bakeri, Ahmad Fauzi Ismail	Porous polyethersulfone hollow fiber membrane in CO ₂ separation process via membrane contactor - The effect of nonsolvent additives
170			변현수		Hui Chao Lv	Modeling of the phase equilibria of aqueous two-phase systems using three-dimensional neural network
179		,,, 1 ,,, 1	변현수		Swapnila Roy	Thermodynamics and kinetics study of defluoridation using Ca-SiO ₂ -TiO ₂ as adsorbent: Column studies and statistical approach
189	, 1	1	변현수	김민찬(제주대)(self)	김민찬	Magnetic field effect on the onset of Soret-driven convection of a nanofluid confined within a Hele-Shaw cell
199	,, 1	1,,, 2	김종학	임한권(대구가톨릭대) 2 임한권(대구가톨릭대)& 이신근(예기연) 공동교신 강미숙(영남대)(self)	임한권	Parametric studies for CO ₂ reforming of methane in a membrane reactor as a new CO ₂ utilization process
206			변현수		Zuoxiang Zeng	Solubility and dissolution thermodynamics of hexaquoiron(III)tris(p-toluenesulfonate) in (ethanol + water) binary mixtures within 291.15-333.15 K
214	1	,,, 1	변현수	박소진(충남대) 2(self 1편 포함)	박소진	Density, refractive index and kinematic viscosity of MIPK, MEK and phosphonium-based ionic liquids and the excess and deviation properties of their binary systems
225		, 1	용기중		안지환	Synthesis of aragonite-precipitated calcium carbonate from oyster shell waste via a carbonation process and its applications
231		,,, 1	박종근	박용일(전남대)	유태경, 방석호	Aqueous-phase synthesis of metal nanoparticles using phosphates as stabilizers
234		,,, 1	하기룡	김도희(서울대)	Shahriar Mahdavi	Characterization of bare and modified nano-zirconium oxide (ZrO ₂) and their applications as adsorbents for the removal of bivalent heavy metals

245			하기룡		김정현	Fabrication of acrylic copolymer with aluminum nitride fillers and its physical and thermal properties
249		, 1,, 1	김성한		Ajit Pralhad Rathod	Esterification of propionic acid with isopropyl alcohol over ion exchange resins: Optimization and kinetics
259		, 1,, 2 ,,, 4	정경열	전종기(공주대)	Talib Mohammed Albayati	High performance methyl orange capture on magnetic nanoporous MCM-41 prepared by incipient wetness impregnation method
266		,,, 2	정경열	임한권(대구가톨릭대)& 이신근(예기연)&이관영 (고려대) 공동교신 이신근(예기연)&이관영 (고려대) 공동교신	이신근, 이관영	Electroless Pd deposition on a planar porous stainless steel substrate using newly developed plating rig and agitating water bath

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	KJChE	Others				
275					Xuefeng Yan	Fault detection based on polygon area statistics of transformation matrix identified from combined moving window data
287					이종민	Dynamic matrix control applied on propane-mixed refrigerant liquefaction process
298					Haibo Jin, Guangxiang He	Synthesis and characterization of K/K2CO3-based solid superbase as a catalyst in propylene dimerization
305		1 3		박은덕 고창현(전남대) 김정현(경남대) 이관영(고려대) 홍교신(충남대)	Chang-feng Yan	Ni/La2O3-ZrO2 catalyst for hydrogen production from steam reforming of acetic acid as a model compound of bio-oil
314					Hong Khanh Dieu Nguyen	X-ray absorption spectroscopies of Mg-Al-Ni hydroxalite like compound for explaining the generation of surface acid sites
320		1		전기원(화학연)	이관영	Effect of surface composition of Fe catalyst on the activity for the production of high-calorie synthetic natural gas (SNG)
328					Shadi Hassanajji	Hybrid nanocomposite membranes of sulfonated poly(ethersulfone)/1,1-carbonyl diimidazole/1-(3-aminopropyl)-silane/silica for direct methanol fuel cells
340		1 3			Ashok Kumar Yadav	Biodiesel production from oleander (Thevetia Peruviana) oil and its performance testing on a diesel engine
346		2 1		박영권(서울시립대)	김준석	Pretreatment of Helianthus tuberosus residue by flow-through process for production of fermentable sugar
353					Jun Chai	A novel ultrasonic reactor for continuous production of biodiesel from waste acid oil
360		1		이재우(KAIST)	염승호	Optimization of a one-step direct process for biodiesel production from blended sewage sludge
366					Mehrdad Mozaffarian	Carbonization and CO2 activation of scrap tires: Optimization of specific surface area by the Taguchi method
376	1	1 1		추광호 백기태(전북대(self))	Amir Sheikhmohammadi	Optimization of arsenite removal by adsorption onto organically modified montmorillonite clay: Experimental & theoretical approaches
384		1			전충	Adsorption of silver ions from industrial wastewater using waste coffee grounds
392		1			Shagufta Kamal, Ismat Bibi	Extraction and quantification of phenolic compounds from Prunus armeniaca seed and their role in biotransformation of xenobiotic compounds
400					박수남	Ceramide-based nanostructured lipid carriers for transdermal delivery of isoliquiritigenin: Development, physicochemical characterization, and in vitro skin permeation studies
407		1			Amor Hafiane	Modeling of reverse osmosis flux of aqueous solution containing glucose
413					Ali Asghar Ghoreyshi	Adsorptive separation of CO2 and CH4 by the broom sorghum based activated carbon functionalized by diethanolamine
425	1	1 2		박윤국	Mostafa Keshavarz Moraveji	Implementation of soft computing approaches for prediction of physicochemical properties of ionic liquid mixtures
440		1 3		김종학(영세대)&김정현(화학연) 공동교신 김종학(영세대)&홍교신(고려대) 공동교신	Reza Mosayebi Behbahani	High speed spin coating in fabrication of Pebax 1657 based mixed matrix membrane filled with ultra-porous ZIF-8 particles for CO2/CH4 separation
454		1 1 1		변헌수	Maryam Faraji, Mohammad Hadi Dehghani	Optimization of fluoride adsorption onto natural and modified pumice using response surface methodology: Isotherm, kinetics and thermodynamic studies
463					임종성	Measurement and correlation of the isothermal VLE data for the binary mixtures of cyclopentene (CPEN) + cyclopentyl methyl ether (CPME)
470		1 1		채희엽 하정숙(고려대)	Caihua Ni	Synthesis and characterization of polypyrrole doped by cage silsesquioxane with carboxyl groups
476	1	1 1		이관영 문종철(신강대) 정종철(순천대)	Banghua Peng	Fabrication of carbon nanotube-loaded TiO2@AgI and its excellent performance in visible-light photocatalysis
484		1 1		김대수 김동표(POSTECH) 이창수(충남대)	Min Su	Synthesis of highly monodisperse silica nanoparticles in the microreactor system
495		1 1		용기중 윤태경&박변준(경희대) 공동교신 한윤환(전북대)	김의정	Polyol-mediated synthesis of ZnO nanoparticle-assembled hollow spheres/nanorods and their photoanode performances
500		1 3		정경열 용기중(POSTECH)	Girdhar Joshi, Jitendra Kumar Pandey	Formation of intermediate band and low recombination rate in ZnO-BiVO4 heterostructured photocatalyst: Investigation based on experimental and theoretical studies
511					LéaElias Mendes Carneiro	Heterogeneous photocatalytic degradation of phenol and derivatives by (BiPO4/H2O2/UV and TiO2/H2O2/UV) and the evaluation of plant seeds toxicity tests
523		1			Sonalee Das	Study of UV aging on the performance characteristics of vegetable oil and palm oil derived isocyanate based polyurethane
539		1			이준영	Water vapor permeability, morphological properties, and optical properties of variably hydrolyzed poly(vinyl alcohol)/linear low-density polyethylene composite films
547	1	1		김대수 김대형(서울대)(self)	Mir Saied Seyed Dorraji	Polyurethane foam-cadmium sulfide nanocomposite with open cell structure: Dye removal and antibacterial applications
555					이대연	Successive growth and applications of polymeric particles with controllable size and shapes
566					정경열	Bubble characteristics by pressure fluctuation analysis in gas-solid bubbling fluidized beds with or without internal
574		1			Cangsu Xu	Comparative experimental study of ethanol-air premixed laminar combustion characteristics by laser induced spark and electric spark ignition
580		1			Yingjie Li	CO2 capture performance of cement-modified carbide slag

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
589	1	1, 1 ,,, 1 ,,,, 1	하기룡	김대형(서울대)(self) 김교선(강원대)	김교선(INVITED REVIEW PAPER)	Magnetic nanoparticles for bioseparation
600			김종학		Yongsheng Yan(REVIEW PAPER)	Facile synthesis of imprinted submicroparticles blend polyvinylidene fluoride membranes at ambient temperature for selective adsorption of methyl p-hydroxybenzoate
609		1, 1 ,,, 2	용기중	유태경&박범준(경희대) 공동교신 전기준(인하대)	Shaodan Zhao(RAPID COMMUNICATION)	Ultrafine palladium nanoparticle-bonded to polyethylenimine grafted reduced graphene oxide nanosheets: Highly active and recyclable catalyst for degradation of dyes and pigments
619			최수형		채충근	FTA-FMEA-based validity verification techniques for safety standards
628			최수형		여영구	A comparative study of teaching-learning-self-study algorithms on benchmark function optimization
642	,, 1		최수형	최수형(전북대)(self)	박교식	Simplified risk assessment on fire hazard of LPG filling station
651			김민찬		Yonghui Li	CFD study on the radial distribution of coolants in the inlet section of rod-baffle-multi-tubular reactor
664		1	김도형	이창수(충남대)&정영민(군산대) 공동교신	Qiguang Dai, Fuwu Yan	Effect of acid sites on catalytic destruction of trichloroethylene over solid acid catalysts
672		, 1,, 2 ,,, 2 ,,,, 1	박은덕	박영권(서울시립대) 2	Jianglong Yu	The effects of mineral salt catalysts on selectivity of phenolic compounds in bio-oil during microwave pyrolysis of peanut shell
681			박은덕		Abbas Ali Khodadadi	Two-stage cracking catalyst of amorphous silica-alumina on Y zeolite for enhanced product selectivity and suppressed coking
692		,, 2 ,,, 1	이대연	강용(충남대)	Mohammad Ghashghaee	Preparation of Cu-MgO catalysts with different copper precursors and precipitating agents for the vapor-phase hydrogenation of furfural
701	, 1,, 1		박영권		안화승	Oxidation of tetralin to 1-tetralone over CrAPO-5
706			이재우		Vahid Mohebbi	A new approach for modeling of multicomponent gas hydrate formation
717		,, 2	임광희	박영권(서울시립대)	Bo Wang	Removal of nitrate from constructed wetland in winter in high-latitude areas with modified hydrophyte biochars
723			변헌수		Jianbin Zhang	A novel hydrothermal releasing synthesis of modified SiO2 material and its application in phenol removal process
734			김태진		이승목	Efficient oxidative removal of 4-tert-octylphenol and 17 α -ethynylestradiol from aqueous solutions using ferrate(VI)
741			박윤국		권태순	One-dimensional column and three-dimensional box flushing of silicone emulsion-enhanced remediation for chlorinated solvent contaminated soils
747		,, 2	박영권		박영욱, 김희태	HCl removal characteristics of calcium hydroxide at the dry-type sorbent reaction accelerator using municipal waste incinerator flue gas at a real site
757	,, 1	1,,, 2	추광호		Ahmad Zarei	Response surface modeling, isotherm, thermodynamic and optimization study of arsenic (V) removal from aqueous solutions using modified bentonite-chitosan (MBC)
768			김범수		Seyed Mahmoud Mousavi	Use of membrane separation in enzymatic hydrolysis of waste paper
773			김승욱		Lata Nain	Simultaneous saccharification and fermentation of alkali-pretreated corncob under optimized conditions using cold-tolerant indigenous holocellulase
781			김범수		신화성	Identification of a new serine protease from polychaeta, Marphysa sanguinea, for its thrombolytic and anticoagulant activity
787		,, 1	차형준		조훈	Hypolipidemic and antioxidant effects on hypercholesterolemic rats of polysaccharide from Salicornia bigelovii seed
797		,, 1	김범수	권용재(서울과기대)	오민규, 이진원	Comparison of metabolite profiling of Ralstonia eutropha H16 phaBCA mutants grown on different carbon sources
806			박윤국		서용철	Adsorption and kinetics of elemental mercury vapor on activated carbons impregnated with potassium iodide, hydrogen chloride, and sulfur
814	1,,, 1 ,,,, 1		변헌수	박윤국(홍익대)(self)	Tao Zhu, 노경호	Optimal separation of phenol from model oils by forming deep eutectic solvents with quaternary ammonium salts
822			박윤국		Ali Saberimoghaddam	An experimental and statistical model of a cyclic pressure swing adsorption column for hydrogen purification
829	,, 1	1, 1 ,,, 1	김종학		Vahid Pirouzfard	The influence of nanoparticles on gas transport properties of mixed matrix membranes: An experimental investigation and modeling
844			김종학		양대륙	Quantitative estimation of internal concentration polarization in a spiral wound forward osmosis membrane module comparing to a flat sheet membrane module
854	1, 1		변헌수		Seyyed Mohammad Ghoreishi	Optimization of supercritical extraction of galegine from Galega officinalis L.: Neural network modeling and experimental optimization via response surface methodology

866			이병철		Yinglong Wang	Controllability of separate heat pump distillation for separating isopropanol-chlorobenzene mixture
876			김지현		Nafiseh Farhadian	Improvement of methane uptake inside graphene sheets using nitrogen, boron and lithium-doped structures: A hybrid molecular simulation
885	,,, 1 ,,,, 1	1,, 2 ,,, 5 ,,,, 1	김대수	윤성훈(중앙대)&김상욱(아주대) 공동교신 정경열(공주대) 김도형(전남대) 최장욱(서울대) 정상철(순천대) 정상문(충북대) 문준혁(서강대)	정상문	Electrochemical properties of α -Co(OH) ₂ /graphene nano-flake thin film for use as a hybrid supercapacitor
892	,,, 1	2, 2 ,,, 2 ,,,, 1	하기룡	한윤봉(전북대) 김우재(가천대) 임성갑(KAIST) 2 임성갑&장용근(KAIST) 공동교신(self)	임성갑	Organic/inorganic multilayer thin film encapsulation via initiated chemical vapor deposition and atomic layer deposition for its application to organic solar cells
898			이재근		이재근	Quantitative analysis of carbon nanotube cross-linking reactions
903			용기중		Alireza Sharif, Jamal Aalaie	Effect of hydrophobic modification on the structure and rheology of aqueous and brine solutions of scleroglucan polymer
913			정경열		최정후, 이창근	Temperature effects on riser pressure drop in a circulating fluidized bed
921		, 1	이창근		민병무	Performance comparison of aqueous MEA and AMP solutions for biogas upgrading
928		,, 3	이창근	박대원(부산대)	박대원(부산대)	Cycloaddition of carbon dioxide with propylene oxide using zeolitic imidazolate framework ZIF-23 as a catalyst
935			이창근		정순관	Effect of process parameters on the CaCO ₃ production in the single process for carbon capture and mineralization

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	KJChE	Others				
943	,, 1	1,,, 2 ,,, 1	차형준	권용재&정용진(서울과기대) 공동교신 김범수(충북대)(self) 박용일(전남대)	김범수(INVITED REVIEW PAPER)	Phyto-synthesized silver nanoparticles for biological applications
952			최수형		류준형	Minimizing loss in LCD glass manufacturing by cutting pattern optimization based on integer programming
961	,,, 1		최수형	여영구(한양대)(self)	이문용	Simplified design of proportional-integral-derivative (PID) controller to give a time domain specification for high order processes
969	,, 1	,,, 2	김민찬	임영일(한경대)(self)	Taleb Zarei	Computational fluid dynamics on the hydrodynamic characteristics of the conical cap tray
977		1	김민찬		Salman Movahedirad	Prediction of the self-diffusion coefficients in aqueous KCl solution using molecular dynamics: A comparative study of two force fields
987		,,, 1	김태진		Ajit Pralhad Rathod	Process optimization and kinetic modeling for esterification of propionic acid with benzyl alcohol on ion-exchange resin catalyst
997	,,, 1	,,, 1 ,,, 1	김태진	박명준(아주대)(self)	Mehdi Sedighi	Catalytic performance of CeAPSO-34 molecular sieve with various cerium content for methanol conversion to olefin
1004			박은덕		Changlong Yin	Effect of sulfidation process on catalytic performance over unsupported Ni-Mo-W hydrotreating catalysts
1013			박은덕		Babak Aghel	Optimization of biodiesel production process in a continuous microchannel using response surface methodology
1021		, 2,, 2 ,,, 3 ,,, 4	엄영순		Yuvarajan Devarajan	Performance and emissions analysis on diesel engine fuelled with cashew nut shell biodiesel and pentanol blends
1027		,,, 1	엄영순		Prakash Binnal	Production of high purity biodiesel through direct saponification of wet biomass of Chlorella protothecoides in a low cost microwave reactor: Kinetic and thermodynamic studies
1037			추광호		Sana Dardouri	Adsorptive removal of methylene blue from aqueous solution using different agricultural wastes as adsorbents
1044		, 1	김태진		Mayur Ashok Ubale	Experimental study on electrocoagulation of textile wastewater by continuous horizontal flow through aluminum baffles
1051		,, 1 ,,, 1	추광호		Fariba Safa	Magnetic nanocomposite of multi-wall carbon nanotube as effective adsorbent for methyl violet removal from aqueous solutions: Response surface modeling and kinetic study
1062	,, 1	,,, 1 ,,, 1	추광호		Vishal Kumar Sandhwar	Comparative study of electrocoagulation and electrochemical Fenton treatment of aqueous solution of benzoic acid (BA): Optimization of process and sludge analysis
1073	,,, 1	, 1	박윤국		Mijia Zhu	Acid-hydrolyzed agricultural residue: A potential adsorbent for the decontamination of naphthalene from water bodies
1081			추광호		Krzysztof Kuśmierek	The effects of the thermal treatment of activated carbon on the phenol adsorption
1091		, 1,,, 1 ,,, 2	김태진		E. M. El Afifi	Selective elimination of natural radionuclides during the processing of high grade monazite concentrates by caustic conversion method
1100		,, 1	김승욱		Soheil Dadari	Application of high frequency ultrasound in different irradiation systems for photosynthesis pigment extraction from Chlorella microalgae
1109	1	,, 1 ,,, 1	김진련		Veeranki Venkata Dasu	Medium optimization for high yield production of extracellular human interferon- γ from Pichia pastoris: A statistical optimization and neural network-based approach
1122			김승욱		Jayanthi Abraham	Comparative study on degradation of norfloxacin and ciprofloxacin by Ganoderma lucidum JAPC1
1129		,, 2	차형준	권용재(서울과기대)&정용진(한국교통대) 공동교신	오병근	Electrochemical sensor for selective detection of norepinephrine using graphene sheets-gold nanoparticle complex modified electrode
1133		,,, 2	채희엽	이재형(강원대)	Alafara Abdullahi Baba, Ayo Felix Balogun	Leaching kinetics of a Nigerian complex covellite ore by the ammonia-ammonium sulfate solution
1141		,,, 1	박윤국		Younes Moussaoui	Adsorption of ibuprofen sodium salt onto Amberlite resin IRN-78: Kinetics, isotherm and thermodynamic investigations
1149			이병철		Mohsen Pirdashti	Liquid-liquid equilibrium and physical properties of aqueous mixtures of poly(vinyl pyrrolidone) with potassium phosphate at different pH: Experiments and modeling
1159		, 1,, 1	변현수		Mohammad Karimi	Isotherm, kinetic and thermodynamic studies for Th(IV) sorption by amino group-functionalized titanosilicate from aqueous solutions
1170		,, 1	박윤국	변현수(전남대)	변현수	Phase equilibria measurement of binary mixtures for triethylene glycol dimethacrylate and triethylene glycol diacrylate in supercritical CO ₂
1177		,,, 1	김도형		Khadijeh Didehban	Removal of anionic dyes from aqueous solutions using polyacrylamide and polyacrylic acid hydrogels
1187	1	,,, 1 ,,, 1	김도형	박진호(영남대)(self)	박진호	Effects of annealing temperature on Cu ₂ ZnSnS ₄ (CZTS) films formed by electrospray technique

1192			용기중		차국현	Scattering model for tetrapods with cylindrical arms
1199		,, 1,,, 1	박영권		Dengxin Li	Photocatalytic degradation of methylene blue in aqueous solution using ceramsite coated with micro-Cu2O under visible-light irradiation
1208		, 1,,, 1	김태진		박진호	Effect of post-synthesis annealing on properties of SnS nanospheres and its solar cell performance
1214		1,,, 2 ,,, 1	하기룡	박영권(서울시립대) 2 김승도(한림대)	김승도	Pyrolysis kinetic analysis of poly(methyl methacrylate) using evolved gas analysis-mass spectrometry
1222	,,, 1	, 1,,,, 2	하기룡	김정현(서울시립대) 2 (self 1편 포함)	김정현	Effect of high molecular weight isocyanate contents on manufacturing polyurethane foams for improved sound absorption coefficient
1229		1	박중곤		Zhaoping Zhong	DeNOx performance and characteristic study for transition metals doped iron based catalysts
1238	,, 1,,, 1		최정후		김형택	Comparison of catalytic pyrolysis and gasification of Indonesian low rank coals using lab-scale bubble fluidized-bed reactor
1250			이창근		Jianzhong Liu	Mechanism underlying the effect of conventional drying on the grinding characteristics of Ximeng lignite
1260		,,, 3	최정후	임한권(한림대)&이신근(예기연) 공동교신 임한권(대구가톨릭대)&이신근(예기연)&이관영(고려대) 공동교신 이신근(예기연)&이관영(고려대) 공동교신	이신근	Methane steam reforming in a membrane reactor using high-permeable and low-selective Pd-Ru membrane
1266			박중곤		Min Zheng	Phase diagram of CaSO4 reductive decomposition by H2 and CO
1273		,,, 1	이창근		Changdong Sheng	Impact of co-firing lean coal on NOx emission of a large-scale pulverized coal-fired utility boiler during partial load operation

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
1281			이대연		김주형(INVITED REVIEW PAPER)	Interfacial phenomena between conjugated organic molecules and noble metals
1294		,,, 1	김대수		Huiliang Zhang	Improved mechanical properties, barrier properties and degradation behavior of poly(butylenes adipate-co-terephthalate)/poly(propylene carbonate) films
1305		,, 1,,, 2	박영권	백기태(전북대) 3	백기태	Controlled release of iron for activation of persulfate to oxidize orange G using iron anode
1310	,, 1		최수형	이문용(영남대)(self)	이범석	Process simulation for the recovery of lactic acid using thermally coupled distillation columns to mitigate the remixing effect
1319	,,,, 1		김민찬		Hassan Basirat Tabrizi	Nanoparticle deposition in transient gaseous microchannel flow considering hindered motion and rarefaction effect
1328		, 1	김민찬	안경현(서울대)	Yanfang Yu	Laminar flow and chaotic advection mixing performance in a static mixer with perforated helical segments
1337		,, 1,,, 1	박은덕	김진수&박범준(경희대) 공동교신	고형림	Effect of Cu promoter and alumina phases on Pt/Al2O3 for propane dehydrogenation
1346		1,,, 1 ,,,, 1	박영권	신채호(충북대)	Mohammad Haghighi	CO2/O2-oxidative dehydrogenation of ethane to ethylene over highly dispersed vanadium oxide on MgO-promoted sulfated-zirconia nanocatalyst: Effect of sulfation on catalytic properties and performance
1358		1	박은덕		Tingshun Jiang	Enhanced ketalization activity of cyclohexanone and ethanediol over immobilized ionic liquid in mesoporous materials
1366	,,,, 1		배종욱	신채호(충북대)(self)	Kai Huang	Novel multi-scale diffusion model for catalytic methane combustion
1377		,,, 1	추광호	박영권(서울시립대)	Duduku Krishnaiah	Removal of chlorinated phenol from aqueous solution utilizing activated carbon derived from papaya (Carica Papaya) seeds
1385			추광호		연규석	Performance improvement of local Korean natural hydraulic lime-based mortar using inorganic by-products
1393			박영권		Vitthal Laxmanrao Gole	Treatment of malachite green dye using combined oxidation techniques based on different irradiation
1400			김범수		김선봉	Deodorizing, antimicrobial and glucosyltransferase inhibitory activities of polyphenolics from biosource
1405			변헌수		Siavash Riahi	Quantitative structure-property relationship (QSPR) for prediction of CO2 Henry's law constant in some physical solvents with consideration of temperature effects
1416		, 2,,, 2	김종학		Nayan Ranjan Singha	Separation of tetrahydrofuran using RSM optimized accelerator-sulfur-filler of rubber membranes: Systematic optimization and comprehensive mechanistic study
1435		, 1,, 3 ,,,, 1	변헌수		Abolghasem Jouyban	Solubility of celecoxib in N-methyl-2-pyrrolidone + water mixtures at various temperatures: Experimental data and thermodynamic analysis
1444			김종학		Soheil Dadari	Flux, antifouling and separation characteristics enhancement of nanocomposite polyethersulfone mixed-matrix membrane by embedding synthesized hydrophilic adipate ferroxane nanoparticles
1456		,, 1,,, 2 ,,,, 1	박윤국		Pouria Amani	Investigation of hydrodynamic and mass transfer of mercaptan extraction in pulsed and non-pulsed packed columns
1466			박윤국		여상도	Habit modification of tamoxifen crystals using antisolvent crystallizations
1475		,, 2,,, 1	변헌수	임종성(서강대) 2 박윤국(홍익대)	임종성	The effect of cyano groups on the solubility of carbon dioxide in ionic liquids containing cyano groups in anion
1483		,,,, 1	용기중		정찬화	Effect of electrolyte composition on the morphological structures of dendritic copper powders prepared by a spontaneous galvanic displacement reaction
1490		,,, 1	김도형	김재정(서울대)&임태호(충실대) 공동교신	김재정, 조성기	Cu seed layer damage caused by insoluble anode in Cu electrodeposition
1495		, 1	김민찬	봉기완(고려대)&심민석(인전대) 공동교신	봉기완	Fabrication of NOA microfluidic devices based on sequential replica molding
1500			박영권		김영훈	Photodegradation of organic dyes via competitive direct reduction/indirect oxidation on InSnS2 under visible light
1504	, 1		용기중	김도형(전남대)(self)	김도형	Highly stable inverted organic photovoltaic cells with a V2O5 hole transport layer
1509		,,, 2 ,,,, 1	하기룡		Mohsen Vafaie Sefti, Saeid Sadeghnejad	Effects of reservoir temperature and water salinity on the swelling ratio performance of enhanced preformed particle gels
1517			하기룡		정현욱, 김범상	Effects of solvents on rheological and crosslinking properties of photo-polymerized poly(ethylene glycol) hydrogels
1524			이대연		Yukihiko Matsumura	In situ mass spectrometry of glucose decomposition under hydrothermal reactions
1531			용기중		한춘	Effects of polyolefin elastomer on physico-mechanical and thermal properties of HDPE/CaCO3/LDPE-g-MA/POE composites
1541		,,,, 2	정경열		Seyyed Hossein Hosseini	Three-dimensional CFD study of conical spouted beds containing heavy particles: Design parameters
1554			최정후		Zixue Luo	A mode transition strategy from air to oxyfuel combustion in a 35 MW coal-fired power plant boiler
1563			이창근		Fengqi Si	Experimental and numerical predictions of ash particle erosion in SCR monolithic catalysts for coal-fired utility boilers
1576		,, 1	최정후		Chunmei Lu	NH3-SCR performance and characterization over magnetic iron-magnesium mixed oxide catalysts
1584		,, 1 ,,,, 1	최정후		WeiLiang Cheng, Shu Qin Wang	Enhanced photoactivity of N-doped TiO2 for Cr(VI) removal: Influencing factors and mechanism

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시작 page	2018 피인용 수		편집월	2018 인용자	저자	논문제목	
	KJChE	Others					
1591					박중곤(INVITED REVIEW PAPER)	Recent advancements in bioreactions of cellular and cell-free systems: A study of bacterial cellulose as a model	
1600					오재민(RAPID COMMUNICATION)	Controlled drug release in silicone adhesive utilizing particulate additives	
1604					김지용	Feasibility study and benefit analysis of biomass-derived energy production strategies with a MILP (mixed-integer linear programming) model: Application to Jeju Island, Korea	
1619					황성원, 김건중	Technology development for the reduction of NOx in flue gas from a burner-type vaporizer and its application	
1630					Shuguo Qu	Computational fluid dynamics study on the anode feed solid polymer electrolyte water electrolysis	
1638					Suzylawati Ismail	Performance of fly ash based polymer gels for water reduction in enhanced oil recovery: Gelation kinetics and dynamic rheological studies	
1651	,, 1	,,, 1		이재우	고창현(전남대)	Fang He	Perovskite-type LaFe1-xMnxO3 (x = 0, 0.3, 0.5, 0.7, 1.0) oxygen carriers for chemical-looping steam methane reforming: Oxidation activity and resistance to carbon formation
1661		,,, 2		배종욱		Amit Keshav	Esterification of acrylic acid with ethanol using pervaporation membrane reactor
1669	,,, 2	1,, 1		박은덕	이도창(KAIST) 강미숙(영남대)(self)	강미숙	Effective photoconversion of CO2 into CH4 over Ti3O5/TiO2-MCM-41 nanoporous catalyst photosensitized by a ruthenium dye
1678				추광호		최항석	Determination of thermal decomposition kinetics of low grade coal employing thermogravimetric analysis
1693		,, 1		박영권	조성준(전남대)	조영민	Comparative evaluation of purity of green energetic material (ammonium dinitramide) depending on refining method
1699		1, 1 ,,, 1 ,,, 2		박윤국		Mohammad Hadi Dehghani, Aliakbar Dehghan	Removal of methylene blue dye from aqueous solutions by a new chitosan/zeolite composite from shrimp waste: Kinetic and equilibrium study
1708		1,, 1 ,,, 1		박영권	박영권(서울시립대) 2	Hai Nguyen Tran, Sheng-Jie You, Huan-Ping Chao	Insight into adsorption mechanism of cationic dye onto agricultural residues-derived hydrochars: Negligible role of π-π interaction
1721				박영권		Jun-xia Yu	Effects of co-ion initial concentration ratio on removal of Pb2+ from aqueous solution by modified sugarcane bagasse
1728				박영권		최용준	Development of Cre-lox based multiple knockout system in Deinococcus radiodurans R1
1734		1		차형준		홍순호	Construction of methanol sensing Escherichia coli by the introduction of novel chimeric MxcQZ/OmpR two-component system from Methylobacterium organophilum XX
1740		1		변헌수		Dhruva Kumar Singh	Synergistic extraction of Nd(III) with mixture of 8-hydroxyquinoline and its derivative with di-2-ethyl hexyl phosphoric acid in different diluents
1748				용기중		유승준	Ultrasonic-assisted leaching kinetics in aqueous FeCl3-HCl solution for the recovery of copper by hydrometallurgy from poorly soluble chalcopyrite
1756	,,, 1			변헌수		Yong Kang	Purification of Chinese herbal extract with chitosan hydrochloride: Flocculation of single impurity and flocculation mechanism
1763				김주민		이재우	Efficient pressure swing adsorption for improving H2 recovery in precombustion CO2 capture
1774		,,, 1 ,,, 1		김종학		Sayed Mohsen Hosseini	Adapting the performance and physico-chemical properties of PES nanofiltration membrane by using of magnesium oxide nanoparticles
1781				박윤국		강춘형	Phase behavior of arbutin/ethanol/supercritical CO2 at elevated pressures
1786		,,, 1		김태진		Gulin Selda Pozan Soylu	V2O5-TiO2 heterostructural semiconductors: Synthesis and photocatalytic elimination of organic contaminant
1793		, 1,,, 1		권용재	김우재(가천대)	Bing Huang	A new process of acidic hydrolysis of residual chlorosilane liquid for the preparation of silica and hydrochloric acid
1801				김도형		Kuravappullam Vedhaiyan Radha	Silver nanoparticle loaded silica adsorbent for wastewater treatment
1813		,,, 1		김종학		Sayed Mohsen Hosseini	Developing thin film heterogeneous ion exchange membrane modified by 2-acrylamido-2-methylpropanesulfonic acid hydrogel-co-super activated carbon nanoparticles coating layer
1822				함승주		김유권, 강혁	Enhanced photoactivity of stable colloidal TiO2 nanoparticles prepared in water by nanosecond infrared laser pulses
1827				용기중		Lingli Ni	Iso-propanol assisted preparation of individualized functional polygorskite fibers and its impact on improving dispersion abilities in polymer nanocomposites
1834				이도창		유성식	Development of osmotic repulsive potential using lattice fluid model on ligand capped metallic nanoparticles in gas expanded liquid system
1840	,,, 1			이창근		홍연기, 유종균	Phase separation characteristics in biphasic solvents based on mutually miscible amines for energy efficient CO2 capture
1846		1, 1,, 5 ,,, 3 ,,, 1		권용재		Zuo-Yu Sun, Guo-Xin Li	Propagation speed of wrinkled premixed flames within stoichiometric hydrogen-air mixtures under standard temperature and pressure
1858		,,, 1		이창근		Chunmei Lu	Iron-manganese-magnesium mixed oxides catalysts for selective catalytic reduction of NOx with NH3
1867	,, 1	1,,, 3		이창근	박영권(서울시립대) 2 백기태(전북대)	Ping Lu	Study on adsorption characteristics of biochar on heavy metals in soil
1874				이창근		Ye Jiang	Poisoning effect of CaO on CeO2/TiO2 catalysts for selective catalytic reduction of NO with NH3
1882				최정후		Wei-Liang Cheng, Shu-Qin Wang	Study on the mechanism of desulfurization and denitrification catalyzed by TiO2 in the combustion with biomass and coal

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	KJChE	Others				
1889		1,,, 1	용기중	안경현(서울대)	Jiyong Men(REVIEW PAPER)	Preparation of cationic functional polymer poly(Acryloxyethyltrimethyl ammonium chloride)/SiO2 and its adsorption characteristics for heparin
1896			김민찬		김우식	Effect of sinusoidal Taylor vortex flow on cooling crystallization of L-lysine
1905			박영권		Javad Karimi-Sabet	Performance evaluation of a novel reactor configuration for oxidative dehydrogenation of ethane to ethylene
1914			박영권		Xiaoxiang Han, Shang-Bin Liu	Heterogeneous amino acid-based tungstophosphoric acids as efficient and recyclable catalysts for selective oxidation of benzyl alcohol
1924			배종욱		Yong Sun, Lu Lin	One-pot synthesis of high fructose corn syrup directly from starch with SO42-/USY solid catalyst
1930		, 1,,, 1	김도희		이강택	A simple route for preparing Au/mesoporous silica yolk/shell particles for Au-catalyzed reactions
1936	,,, 2	2, 1 ,,, 1 ,,, 1	김도희	강미숙(영남대) 4 류호정(KIER)(self)	강미숙	Effect of oxidation states of Mn in Ca1-xLixMnO3 on chemical-looping combustion reactions
1944		,, 1,,, 1	박은덕		Guilin Zhou	Catalytic combustion of volatile aromatic compounds over CuO-CeO2 catalyst
1952			황성원		여영구	A comparative study of models for molten carbonate fuel cell (MCFC) processes
1961		,,, 1	이재우	이관영(고려대)	이창하	Co-processing of heavy oil with wood biomass using supercritical m-xylene and n-dodecane solvents
1970		,,, 3 ,,, 2	이대연		Mu. Naushad	Synthesis of polyaniline based composite material and its analytical applications for the removal of highly toxic Hg2+ metal ion: Antibacterial activity against E. coli
1980		,, 1,,, 2	추광호	백기태(전북대)	안종화	Changes of absorption spectra, SUVA254, and color in treating landfill leachate using microwave-assisted persulfate oxidation
1985			권용재		Heliene Leite Ribeiro Porto	Mineral content in fishes in the lower course of the itapecuru river in the state of Maranhão, Brazil
1992		,,, 1	김범수	이창수(충남대)	Belma Özbek	Preparation and characterization of polymer-coated mesoporous silica nanoparticles and their application in Subtilisin immobilization
2002			박윤국		김우식	Influence of feeding mode on cooling crystallization of L-lysine in Couette-Taylor crystallizer
2011			변현수		Asalil Mustain	Isobaric vapor-liquid equilibrium of 2-propanone+2-butanol system at 101.325 kPa: Experimental and molecular dynamics simulation
2019			김종학		Pei Li	Designing an atmosphere controlling hollow fiber membrane system for mango preservation
2027			박윤국		유성식	Measurement and correlation of excess enthalpies for water+ethanol+1-butyl 3-methylimidazolium tetrafluoroborate system
2033		,,, 1	변현수		Mohsen Pirdashti	Response surface methodology for the evaluation of guanidine hydrochloride partitioning in polymer-salt aqueous two-phase system
2043		,,, 1	이재우		Amadeu K. Sum, 이보람	Quantification of the risk for hydrate formation during cool down in a dispersed oil-water system
2049			변현수		Saleh Mohamed El Hady	A novel procedure for processing of the xenotime mineral concentrate of southwestern Sinai
2056		, 1,, 2 ,,, 1	박윤국	변현수(전남대)&이봉철(경남대) 교신저자 3 변현수(전남대)	변현수	Phase behavior of binary and ternary mixture for the poly(TBAEMA) and TBAEMA in supercritical solvents
2065		,, 1	권용재		Gaohong He	Mechanism of Ce promoting SO2 resistance of MnOx/γ-Al2O3: An experimental and DFT study
2072		,,, 1	김대수		권성현	Formation and stability study of silver nano-particles in aqueous and organic medium
2079	,, 1	,, 1	박은덕	이강택(연세대)	Moni Baskey (Sen)	Enhanced sunlight photocatalytic activity of silver nanoparticles decorated on reduced graphene oxide sheet
2086		,,, 1	이도창	박용일(전남대)	강태욱	Synthesis of colloidal plasmonic microspheres via spontaneous formation and three-dimensional assembly of metal nanoparticles
2092		,,, 2	김대형	안동준(고려대)	안동준	Fabrication of sensory structure based on poly (ethylene glycol)-diacrylate hydrogel embedding polydiacetylene
2096			정경열		김영훈	Electrochemical detection of arsenic(III) using porous gold via square wave voltammetry
2099			김대수		조득희	Optimization and analysis of reaction injection molding of polydicyclopentadiene using response surface methodology
2110		,, 1 ,,, 1	하기룡		Payam Zahedi	Morphological, thermal and drug release studies of poly (methacrylic acid)-based molecularly imprinted polymer nanoparticles immobilized in electrospun poly (ε-caprolactone) nanofibers as dexamethasone delivery system

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	KJChE	Others				
2119	,, 1	''' 1 '''' 1	김종학	김종학(연세대)	Suchhanda Srabane Swain (REVIEW PAPER)	Effect of nanofillers on selectivity of high performance mixed matrix membranes for separating gas mixtures
2135	'''' 1		황성원	여영구(한양대)(self)	Jun Liang	Sparse probabilistic principal component analysis model for plant-wide process monitoring
2147		1	박은덕		이관영, 서명기	Porous MnO2/CNT catalysts with a large specific surface area for the decomposition of hydrogen peroxide
2154	,, 1	, 1,, 4 ''' 1 '''' 1	박영권		Farshid Ghanbari	UV-LEDs assisted peroxymonosulfate/Fe2+ for oxidative removal of carmoisine: The effect of chloride ion
2162			김도희		김필	Facile synthesis of tungsten carbide-carbon composites for oxygen reduction reaction
2169		, 1,, 1 ''' 1	김도희		정일민	Multifunctional human-hair nanocomposites for oxidation of alcohols, aza-Michael reactions and reduction of 2-nitrophenol
2180	,, 1	1, 1,, 2 ''' 1 '''' 3	전기준	박영권(서울시립대) 7 (self 1 포함) 김승도(한림대)	박영권	Upgrading of pyrolysis bio-oil using WO3/ZrO2 and Amberlyst catalysts: Evaluation of acid number and viscosity
2188		''' 1	유성종		Seyed Reza Shabanian	Prediction and optimization of hydrogen yield and energy conversion efficiency in a non-catalytic filtration combustion reactor for jet A and butanol fuels
2198		,, 3,,, 1	엄영순		Jürgen Loipersböck	Hydrogen production from biomass: The behavior of impurities over a CO shift unit and a biodiesel scrubber used as a gas treatment stage
2204		'' 1,,, 2 '''' 2	추광호		이상섭	Thermogravimetric study for the co-combustion of coal and dried sewage sludge
2211			추광호		Hasan Ciftci	Settling characteristics of coal preparation plant fine tailings using anionic polymers
2218			박영권		Sureyya Altin	Comparison of electro dialysis and reverse electro dialysis processes in the removal of Cu(II) from dilute solutions
2225			박영권		Tekin Şahan	Response surface approach for optimization of Hg(II) adsorption by 3-mercaptopropyl trimethoxysilane-modified kaolin minerals from aqueous solution
2236		'''' 1	김범수		김진	Preparation and evaluation of a cosmetic adhesive containing guar gum
2241			김범수		Eric Wers	New hybrid agarose/Cu-Bioglass® biomaterials for antibacterial coatings
2248		'''' 1	김범수		Jianxin Tan, Liping Zhang	Extraction of microbial transglutaminase from Amycolatopsis sp. fermentation broth using aqueous two-phase system
2255		'' 2 '''' 2	변헌수	전병수(부경대) 2	전병수	Effects of process parameters on EPA and DHA concentrate production from Atlantic salmon by-product oil: Optimization and characterization
2265			추광호		Shabnam Hasani, Faramarz Doulati Ardejani	Equilibrium and kinetic studies of azo dye (Basic Red 18) adsorption onto montmorillonite: Numerical simulation and laboratory experiments
2275	''' 1 '''' 1	1,,, 1	변헌수	이기봉(고려대) 차형준(POSTECH) 강미숙(영남대)(self)	Andrzej Wilk	Solvent selection for CO2 capture from gases with high carbon dioxide concentration
2284			변헌수		Selin Şahin	Comparative study of modeling the stability improvement of sunflower oil with olive leaf extract
2293			변헌수		Prakorn Ramakul	Salt effect on the liquid-liquid equilibrium of water-furfuryl alcohol-furfural system at 298.15 K
2301		'''' 1	김대수		Manawwer Alam	Anti-corrosive performance of epoxy coatings containing various nano-particles for splash zone applications
2311		'' 2,,, 1 '''' 1	김종학		Mohsen Jahanshahi	Decreasing ICP of forward osmosis (TFN-FO) membrane through modifying PES-Fe3O4 nanocomposite substrate
2325		'''' 1	함승주		Subramanian Nithiyantham	Physico-chemical and dielectric relaxation studies of ionic surfactants in Time Domain Reflectometry (TDR)
2331		,, 1,,, 1	용기중		Zheming Ni	Preparation and photocatalytic activity of composite metal oxides derived from Salen-Cu(II) intercalated layered double hydroxides
2342		''' 1 '''' 1	박영권		Amir Hoossein Mahvi	Decolorization of Direct Blue 71 solutions using tannic acid/polysulfone thin film nanofiltration composite membrane; preparation, optimization and characterization of anti-fouling

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
2355			김민찬		심태섭(INVITED REVIEW PAPER)	Soft-, shape changing materials toward physicochemically powered actuators
2366			황성원		박명준	CFD analysis for the geometry effect of disc-type membrane module on separation performance
2374		,,, 1	박은덕		Cheng-Long Guo	Enhanced CO methanation over Ni-based catalyst using a support with 3D-mesopores
2383		,,, 1	추광호		Jinsong Zhou	Experimental study on ZnO-TiO2 sorbents for the removal of elemental mercury
2390			추광호		이기락	De-chlorination and solidification of radioactive LiCl waste salt by using SiO2-Al2O3-P2O5 (SAP) inorganic composite including B2O3 component
2397			권용재		Jinbao Wan	Pretreatment of piggery digestate wastewater by ferric-carbon micro-electrolysis under alkalescence condition
2406			추광호		Kumars Seifpanahi-Shabani	Novel polymorphous aluminosilicate nano minerals: Preparation, characterization and dyes wastewater treatment
2418		,,, 1	백기태		이재영	Removal of polycyclic aromatic hydrocarbons from contaminated soil in a two-phase partitioning bioreactor
2423		, 1	추광호		Sayiter Yildiz	Artificial neural network (ANN) approach for modeling Zn(II) adsorption in batch process
2435		,,, 1	변헌수		Adnan Abdul Jabbar Abdul Razak	Re-refining of used lubricant oil by solvent extraction using central composite design method
2445			김종학		구기갑	Crystallization of glycine in water/saturated fatty acid emulsions
2451			변헌수		김진현	Kinetic and thermodynamic characteristics of crystallization of vancomycin
2459		1	김범수	김종학(연세대)&김정훈(화학연) 공동교신	Toraj Mohammadi	Synthesis and characterization of poly(ether-block-amide) copolymers/multi-walled carbon nanotube nanocomposite membranes for CO2/CH4 separation
2471		,,, 2	정경열		Zewu Zhang	Selective deposition of Au-Pt alloy nanoparticles on ellipsoidal zirconium titanium oxides for reduction of 4-nitrophenol
2480			권용재		Mohammad Mizanur Rahman	Effect of functionalized multiwalled carbon nanotubes on weather degradation and corrosion of waterborne polyurethane coatings
2488			이도창		Bahram Nasernejad	Surface modification of silica-graphene nanohybrid as a novel stabilizer for oil-water emulsion
2498		,,, 1	유성종	김종학(연세대)	김영훈	Effect of a roughness factor on electrochemical reduction of 4-nitrophenol using porous gold
2502			권용재		박민우, 권우성	Effects of oxygen plasma generated in magnetron sputtering of ruthenium oxide on pentacene thin film transistors
2507		,,, 1	박영권		Weiliang Cheng, Shuqin Wang	Efficient photocatalytic removal of aqueous Cr(VI) by N-F-Al tri-doped TiO2
2514		,,, 1	박윤국		신규철, 이훈	Structure identification of binary 1-propanol+methane hydrate using neutron powder diffraction
2519	,,, 1		전기준		원성욱	Polyethylenimine-coated polysulfone/bacterial biomass composite fiber as a biosorbent for the removal of anionic dyes: Optimization of manufacturing conditions using response surface methodology
2527		,,, 1	김영규		Majid Abdouss	Synthesis and characterization of physicochemical properties of hydrophilic imidazolium-based ionic liquids
2536		,, 1	김대수	김덕준(성균관대)	김덕준	The effect of cetyltrimethylammonium bromide on the coefficient of thermal expansion and optical transmittance of poly(ether sulfone) film
2541			이재우		최정후, 이창근	Properties of an inclined standpipe for feeding solids into a bubbling fluidized-bed
2548	, 1	, 1,,, 2	배종욱	이시훈(전북대)	Florian Benedikt	Advanced dual fluidized bed steam gasification of wood and lignite with calcite as bed material

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시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
2559	,,, 1	,,, 1	변헌수		Bipul Das(REVIEW PAPER)	Separation of oil from oily wastewater using low cost ceramic membrane
2570			황성원		Gaurav Manik	Energy management in multi stage evaporator through a steady and dynamic state analysis
2584		,, 1	최수형	이종민(서울대)	이종민	A prioritization method for replacement of water mains using rank aggregation
2591			권용재		Wega Trisunaryanti	Hydrocracking of waste lubricant into gasoline fraction over CoMo catalyst supported on mesoporous carbon from bovine bone gelatin
2597	,, 2		배종욱	강미숙(영남대)(self)	김형택	A study on the direct catalytic steam gasification of coal for the bench-scale system
2610			김도희		신재호	Reductive amination of ethanol to ethylamines over Ni/Al2O3 catalysts
2619	,,, 1	,,, 1	추광호	김종학(연세대)	Dekui Shen	Pb(II) ion adsorption by biomass-based carbonaceous fiber modified by the integrated oxidation and vulcanization
2631			추광호		Eliena Jonko Birriel	Treatment of hydrocyanic galvanic effluent by electrocoagulation: Optimization of operating parameters using statistical techniques and a coupled polarity inverter
2641			전기준		Yanxin Wei	Coagulation performance of a novel poly-ferric-acetate (PFC) coagulant in phosphate-kaolin synthetic water treatment
2648			백기태		류준형	Mathematical modelling of sustainable wastewater reuse networks considering CO2 emissions
2662			박영권		Ram Avtar Pandey	Carbamazepine and oxcarbazepine removal in pharmaceutical wastewater treatment plant using a mass balance approach: A case study
2672			백기태		Wenbiao Jin, Qilin Wang	Effects of particle size of zero-valent iron (ZVI) on peroxydisulfate-ZVI enhanced sludge dewaterability
2678			전기준		김현욱	Effects of supplement additives on anaerobic biogas production
2686		,, 1	박윤국		Ali Mohebbi	Prediction of critical temperature, critical pressure and acentric factor of some ionic liquids using Patel-Teja equation of state based on genetic algorithm
2703		,,, 2	김종학		Abdul Latif Ahmad	Influence of ethanol as bore fluid component on the morphological structure and performance of PES hollow fiber membrane for oil in water separation
2710		,,, 1	변헌수		윤지호, 윤상준	Spectroscopic investigation, cage occupancy, and gas storage capacity of hydroquinone clathrates formed with H2S-N2 and COS-N2 binary gas mixtures
2715			최수형		양대륙	A modified scaled variable reduced coordinate (SVRC)-quantitative structure property relationship (QSPR) model for predicting liquid viscosity of pure organic compounds
2725			변헌수		신헌용	Densities and excess volumes of aqueous monoethanolamine and diisopropanolamine systems at atmospheric pressure from 303.15 K to 333.15 K
2731			이재우		주용완	Behavior of toluene adsorption on activated carbon nanofibers prepared by electrospinning of a polyacrylonitrile-cellulose acetate blending solution
2738		, 1	용기중		하종욱	Synthesis of pillar and microsphere-like magnesium oxide particles and their fluoride adsorption performance in aqueous solutions
2748			전기준		Dong-ping Duan	Mechanochemistry synthesis of high purity lithium carbonate
2756			용기중		김재호, 서명원	Gasification characteristics of glass fiber-reinforced plastic (GFRP) wastes in a microwave plasma reactor
2764			용기중		정귀영	High textured carbon from chemical vapor infiltration with ethanol precursor and its rate of pyrolytic carbon deposition
2773			이도창		서봉국	Adsorption of acetaldehyde at room temperature in a continuous system using silica synthesized by the sol-gel method
2780			이도창		윤재경	Performance evaluation of rotating photoelectrocatalytic reactor for enhanced degradation of methylene blue

Volume 34 number 11		2017년 11월호		1/25 18/1/8, 1/25 18/2/9,, 1/25 18/3/23,,, 11/25 18/5/15,,,, 27/25 18/7/4		
시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
2787			박영권		Mu Naushad, Ponnusamy Senthil Kumar(INVITED REVIEW PAPER)	Sources and impacts of pharmaceutical components in wastewater and its treatment process: A review
2806			엄영순		김현우(RAPID COMMUNICATION)	Biodiesel potential of rendered fat from avian influenza infected poultry in a burial site
2811		,,, 1	황성원		Liangchao Li	Computational fluid dynamics simulation of hydrodynamics in an uncovered unbaffled tank agitated by pitched blade turbines
2823			박은덕		Qiulin Zhang	Dry reforming of methane over Ni/SBA-15 catalysts prepared by homogeneous precipitation method
2832	,,, 1		배종욱		Chunhua Wang	Particle deposition behaviors of monolithic De-NOx catalysts for selective catalytic reduction (SCR)
2840			엄영순		Binitha Njarakkattuvalappil Narayanan	Statistical optimization for lithium silicate-catalyzed production of biodiesel from waste cooking oil
2852		1	이창근	전중환(부산대)	전중환	Effect of coal blending ratio on CO2 coke gasification
2861			백기태		Yaji Huang	Experimental and theoretical analysis of element mercury adsorption on Fe3O4/Ag composites
2870			박영권		Afzal Karimi	Oxidase-Peroxidase sequential polymerization for removal of a dye from contaminated water by horseradish peroxidase (HRP)/glucose oxidase (GOx)/polyurethane hybrid catalyst
2879		,,, 1	전기준	추광호(경북대)	Ming Zhang	Phosphorus removal and recovery from wastewater by highly efficient struvite crystallization in an improved fluidized bed reactor
2886	,,, 2		이도창		Vahid Javanbakht	Preparation and characterization of a novel nanocomposite of clinoptilolite/maghemite/chitosan/urea for manganese removal from aqueous solution
2901			김범수		Venkata Dasu Veeranki	Enhanced production of glutaminase free L-asparaginase II by Bacillus subtilis WB800N through media optimization
2916		,,, 4	용기중	권용재(서울과기대) 2 권용재&정용진(서울과기대) 공동교신 김종학(연세대)&권용재(연세대) 공동교신	권용재, 정용진	Highly sensitive glucose biosensor using new glucose oxidase based biocatalyst
2922			박윤국		박종호	Adsorption and desorption dynamics of CF4 on activated carbon beds: Validity of the linear driving force approximation for pressure-changing steps
2933			김종학		Mohammad Reza Ehsani	Evaluating the ability of separation and adsorption of SO2 by nano-CuO-Fe2O3/TiO2 in high concentrations and moderate temperatures
2944			김종학		Rosiah Rohani	Evaluation of the operating parameters for the separation of xylitol from a mixed sugar solution by using a polyethersulfone nanofiltration membrane
2958		,,, 2	백기태		Aydin Rusen	Optimization of gold recovery from copper anode slime by acidic ionic liquid
2966		,,, 1	김종학	추광호(경북대)	유창규	Interpretation and diagnosis of fouling progress in membrane bioreactor plants using a periodic pattern recognition method
2978		,,, 1	유성중	김종학(연세대)&권용재(서울과기대) 공동교신	Soosan Rowshanzamir	Nitrogen doped graphene/cobalt-based catalyst layers of a PEM fuel cell: Performance evaluation and multi-objective optimization
2984	,,, 1	,,, 2 ,,, 1	용기중	김도형(전남대)	Suja Devipriya Purushothaman	Solar photocatalytic decolorization of synthetic dye solution using pilot scale slurry type falling film reactor
2993	,,, 1	,,, 4	전기준	김도형(전남대) 정상철(순천대) 정상문(충북대) 2(self 1편 포함)	정상철	Facile synthesis of iron-ruthenium bimetallic oxide nanoparticles on carbon nanotube composites by liquid phase plasma method for supercapacitor
2999		,,, 1	권용재		Mohammad Reza Samarghandi	Electrodegradation of tetracycline using stainless steel net electrodes: Screening of main effective parameters and interactions by means of a two-level factorial design
3009		,,, 3 ,,, 1	김도형	권용재&정용진(서울과기대) 공동교신 김종학(연세대)&권용재(서울과기대) 공동교신 권용재(서울과기대) 2	권용재, 정용진	A correlation of results measured by cyclic voltammogram and impedance spectroscopy in glucose oxidase based biocatalysts
3017			이도창		Hamed Rashidi	Statistical optimization of curcumin nanosuspension through liquid anti-solvent precipitation (LASP) process in a microfluidic platform: Box-Behnken design approach
3028			하기룡		Amit Kumar Singh	Thermokinetics behavior of epoxy adhesive reinforced with low viscous aliphatic reactive diluent and nano-fillers

Volume 34 number 12		2017년 12월호		0/24 18/1/8, 0/24 18/2/9,, 0/24 18/3/23,,, 7/24 18/5/15,,,, 16/24 18/7/4		
시작 page	2018 피인용 수		편집 위원	2018 인용자	저자	논문제목
	KJChE	Others				
3041			김범수		김진현(RAPID COMMUNICATION)	Effect of drying methods on removal of residual solvents from solvent-induced amorphous paclitaxel
3048			최수형		문일	Analysis of air blast effect for explosives in a large scale detonation
3054			최수형		유창규	Vulnerability assessment index at process-level for the identification of adaptive strategies in wastewater treatment plants under climate change
3067			황성원		이문용	Constraint handling optimal PI control of open-loop unstable process: Analytical approach
3077		,,, 3	박은덕	박영권(서울시립대)	Shilin Zhao	Effects of organic and inorganic metal salts on thermogravimetric pyrolysis of biomass components
3085			배종욱		박은덕	CO and CO2 methanation over Ni catalysts supported on alumina with different crystalline phases
3092			이창근		이시훈	A reaction kinetic study of CO2 gasification of petroleum coke, coals and mixture
3102			이창근		김형택, Guangsuo Yu	Multilateral approaches for investigation of particle stickiness of coal ash at low temperature fouling conditions
3111		,,, 2	이재우	이관영(고려대)	Mo Chu	Compositional and structural variations of bitumen and its interactions with mineral matters during Huadian oil shale pyrolysis
3119		,,, 1	하기룡		Ali Zeinolabedini Hezave	Investigating the effect of nano-silica on efficiency of the foam in enhanced oil recovery
3125		,,, 1	정경열	이관영(고려대)	선도원	A comparison of fluidized bed pyrolysis of oil sand from Utah, USA and Alberta, Canada
3132		,,, 1	전기준		Cuiqing Li	Deep desulfurization of model oil by photocatalytic air oxidation and adsorption using Ti(1-x)MxO2 (M=Zr, Ce)
3142	,,, 1		박영권		Mojtaba Nakhaei Pour	Efficiency evaluation on the photocatalytic degradation of zinc oxide nanoparticles immobilized on modified zeolites in the removal of styrene vapor from air
3150			백기태		안종화	Effects and optimization of initial pH and sewage sludge compost content on leaching of lead and zinc in contaminated soil
3156			차형준		Vivek Kumar Morya, 김은기	Anti-melanogenic effect of Prunus davidiana extract in melan-a melanocyte through regulation of OCA-2, TRP-1 and tyrosinase
3163		,,, 1	심상준		신현재	Introduction of alkali soaking and microwave drying processes to improve agar quality of Gracilaria verrucosa
3170			김종학		Seyed Abbas Mousavi	Preparation of mesh-reinforced cellulose acetate forward osmosis membrane with very low surface roughness
3178			김종학		Mahdi Pourafshari Chenar	Effect of support layer on gas permeation properties of composite polymeric membranes
3185			용기중		Yinmin Zhang	Preparation and characterization of a porous silicate material from silica fume
3195			용기중		문준혁	Spherical graphene and Si nanoparticle composite particles for high-performance lithium batteries
3200		,,, 1	용기중	한윤봉(전북대)	서형택, 전형탁	Plasmon-enhanced ZnO nanorod/Au NPs/Cu2O structure solar cells: Effects and limitations
3208			용기중		김영훈	Feasibility study on the differentiation between engineered and natural nanoparticles based on the elemental ratios
3214		,,, 1 ,,, 1	용기중	김도형(전남대)	이도창	Expanding depletion region via doping: Zn-doped Cu2O buffer layer in Cu2O photocathodes for photoelectrochemical water splitting
3220		,,, 1 ,,, 2	이도창	용기중(POSTECH) 김도형(전남대)	김교선	Preparation of WO3, BiVO4 and reduced graphene oxide composite thin films and their photoelectrochemical performance