Yoshimitsu Uemura

List of Publications by Year
in descending order

195 papers	5,494 citations	71102 41 h-index	98798 67 g-index
195 all docs	195 docs citations	195 times ranked	5261 citing authors

#	Article	IF	Citations
1	Gasification/pyrolysis/torrefaction. , 2022, , 389-419.		0
2	Valorization of fish bone waste as novel bioflocculant for rapid microalgae harvesting: Experimental evaluation and modelling using back propagation artificial neural network. Journal of Water Process Engineering, 2022, 47, 102808.	5.6	13
3	Hydrodeoxygenation of Guaiacol over Pdâ€“Co and Pdâ€“Fe Catalysts: Deactivation and Regeneration. Processes, 2021, 9, 430.	2.8	14
4	Simultaneous harvesting and cell disruption of microalgae using ozone bubbles: optimization and characterization study for biodiesel production. Frontiers of Chemical Science and Engineering, 2021, 15, 1257-1268.	4.4	14
5	Vapor-phase hydrodeoxygenation of lignin-derived bio-oil over Al-MCM-41 supported Pd-Co and Pd-Fe catalysts. Molecular Catalysis, 2021, , 111435.	2.0	12
6	Reaction kinetic and thermodynamics studies for in-situ transesterification of wet microalgae paste to biodiesel. Chemical Engineering Research and Design, 2021, 169, 250-264.	5.6	17
7	Co-gasification of palm kernel shell and polystyrene plastic: Effect of different operating conditions. Journal of the Energy Institute, 2020, 93, 1045-1052.	5.3	41
8	Flocculation of Chlorella vulgaris by shell waste-derived bioflocculants for biodiesel production: Process optimization, characterization and kinetic studies. Science of the Total Environment, 2020, 702, 134995.	8.0	58
9	Catalytic alcohothermal liquefaction of wet microalgae with supercritical methanol. Journal of Supercritical Fluids, 2020, 157, 104704.	3.2	14
10	Estimation of molecular size of triglyceride in a variety of solvents by using the intrinsic viscosity technique: an important index for transesterification of triglyceride in homogenous system. IOP Conference Series: Earth and Environmental Science, 2020, 460, 012011.	0.3	0
11	One-path catalytic supercritical methanothermal production of fatty acid methyl ester fractions from wet microalgae Chlorella vulgaris. Biomass and Bioenergy, 2020, 143, 105834.	5.7	15
12	Heat and Mass Transfer during Lignocellulosic Biomass Torrefaction: Contributions from the Major Componentsâ€”Cellulose, Hemicellulose, and Lignin. Processes, 2020, 8, 959.	2.8	3
13	Effect of combustion and nitrogen gas atmospheres on the torrefaction performance of oil palm frond leaves and stems. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022020.	0.6	1
14	Catalytic Transfer Hydrogenation of Castor Oil Using Glycerol-Based Reaction. Waste and Biomass Valorization, 2020, 11, 5591-5597.	3.4	3
15	The effect of stress environment towards lipid accumulation in microalgae after harvesting. Renewable Energy, 2020, 154, 1083-1091.	8.9	76
16	Valorization of exo-microbial fermented coconut endosperm waste by black soldier fly larvae for simultaneous biodiesel and protein productions. Environmental Research, 2020, 185, 109458.	7.5	50
17	High biodiesel yield from wet microalgae paste via in-situ transesterification: Effect of reaction parameters towards the selectivity of fatty acid esters. Fuel, 2020, 272, 117718.	6.4	47
18	Thermogravimetric Kinetics of Catalytic and Non-Catalytic Pyrolytic Conversion of Palm Kernel Shell with Acid-Treated Coal Bottom Ash. Bioenergy Research, 2020, 13, 452-462.	3.9	8

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19	Insights into the microalgae cultivation technology and harvesting process for biofuel production: A review. Renewable and Sustainable Energy Reviews, 2019, 115, 109361.	16.4	224
20	Impact of various microalgal-bacterial populations on municipal wastewater bioremediation and its energy feasibility for lipid-based biofuel production. Journal of Environmental Management, 2019, 249, 109384.	7.8	82
21	Impact of limited feed medium and different lipid extraction solvents in dealing with black soldier fly larvae. AIP Conference Proceedings, 2019, , .	0.4	1
22	Potential Protein and Biodiesel Sources from Black Soldier Fly Larvae: Insights of Larval Harvesting Instar and Fermented Feeding Medium. Energies, 2019, 12, 1570.	3.1	64
23	Revealing the effect of reaction parameters towards alkyl group distribution in in-situ transesterification of Chlorella vulgaris. Energy Conversion and Management, 2019, 185, 223-231.	9.2	21
24	Modeling to enhance attached microalgal biomass growth onto fluidized beds packed in nutrients-rich wastewater whilst simultaneously biofixing CO2 into lipid for biodiesel production. Energy Conversion and Management, 2019, 185, 1-10.	9.2	58
25	Effect of Light Duration and Wavelength on Electricity Generation of a Microbial Fuel Cell (MFC) Using Activated Sludge. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2019, 98, 242-245.	0.2	1
26	Liquefaction of palm kernel shell to bio-oil using sub- and supercritical water: An overall kinetic study. Journal of the Energy Institute, 2019, 92, 535-541.	5.3	16
27	Sustainable green pretreatment approach to biomass-to-energy conversion using natural hydro-low-transition-temperature mixtures. Bioresource Technology, 2018, 261, 361-369.	9.6	35
28	Co-cultivation of activated sludge and microalgae for the simultaneous enhancements of nitrogen-rich wastewater bioremediation and lipid production. Journal of the Taiwan Institute of Chemical Engineers, 2018, 87, 216-224.	5.3	62
29	Thermogravimetric analysis and kinetic modeling of low-transition-temperature mixtures pretreated oil palm empty fruit bunch for possible maximum yield of pyrolysis oil. Bioresource Technology, 2018, 255, 189-197.	9.6	34
30	Semi-continuous cultivation of Chlorella vulgaris using chicken compost as nutrients source: Growth optimization study and fatty acid composition analysis. Energy Conversion and Management, 2018, 164, 363-373.	9.2	55
31	Liquefaction of palm kernel shell in sub- and supercritical water for bio-oil production. Journal of the Energy Institute, 2018, 91, 721-732.	5.3	23
32	Optimization of hydrothermal liquefaction of palm kernel shell and consideration of supercritical carbon dioxide mediation effect. Journal of Supercritical Fluids, 2018, 133, 640-646.	3.2	33
33	Cultivation of microalgae for biodiesel production: A review on upstream and downstream processing. Chinese Journal of Chemical Engineering, 2018, 26, 17-30.	3.5	150
34	Optimization and kinetic study of ultrasonic assisted esterification process from rubber seed oil. Bioresource Technology, 2018, 247, 51-57.	9.6	45
35	pH optimization to promote attached growth of microalgae biomass onto polyurethane foam material. AIP Conference Proceedings, 2018, , .	0.4	7
36	Harvesting and pre-treatment of microalgae biomass via ozonation for lipid extraction: A preliminary study. AIP Conference Proceedings, 2018, , .	0.4	1

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37	Insect-based lipid for biodiesel production. AIP Conference Proceedings, 2018, , .	0.4	6
38	One pot biodiesel production from wet Chlorella vulgaris using supercritical methanol with oxide catalysts. AIP Conference Proceedings, 2018, , .	0.4	0
39	Mechanistic kinetic models describing impact of early attachment between Chlorella vulgaris and polyurethane foam material in fluidized bed bioreactor on lipid for biodiesel production. Algal Research, 2018, 33, 209-217.	4.6	31
40	Harvesting and pre-treatment of microalgae cultivated in wastewater for biodiesel production: A review. Energy Conversion and Management, 2018, 171, 1416-1429.	9.2	200
41	Life cycle assessment of oil palm empty fruit bunch delignification using natural malic acid-based low-transition-temperature mixtures: a gate-to-gate case study. Clean Technologies and Environmental Policy, 2018, 20, 1917-1928.	4.1	6
42	Life Cycle Assessment (LCA) of Production and Fractionation of Bio-Oil Derived from Palm Kernel Shell: a Gate-to-Gate Case Study. Process Integration and Optimization for Sustainability, 2018, 2, 343-351.	2.6	13
43	Delignification kinetics of empty fruit bunch (EFB): a sustainable and green pretreatment approach using malic acid-based solvents. Clean Technologies and Environmental Policy, 2018, 20, 1987-2000.	4.1	9
44	Effect of MgO Loading on the Production of Biodiesel from Jatropha Oil in the Presence of MgO/MCM-22 Catalyst. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2018, 97, 191-199.	0.2	5
45	Third generation biofuels: A nutritional perspective in enhancing microbial lipid production. Renewable and Sustainable Energy Reviews, 2018, 91, 950-961.	16.4	191
46	Extraction of palm kernel shell derived pyrolysis oil by supercritical carbon dioxide: Evaluation and modeling of phenol solubility. Biomass and Bioenergy, 2018, 116, 106-112.	5.7	22
47	Metal oxide-catalyzed hydrothermal liquefaction of Malaysian oil palm biomass to bio-oil under supercritical condition. Journal of Supercritical Fluids, 2017, 120, 384-394.	3.2	69
48	Co-synthesis of methanol and methyl formate from CO 2 hydrogenation over oxalate ligand functionalized ZSM-5 supported Cu/ZnO catalyst. Journal of CO2 Utilization, 2017, 17, 273-283.	6.8	24
49	Optimization of self-fermented period of waste coconut endosperm destined to feed black soldier fly larvae in enhancing the lipid and protein yields. Renewable Energy, 2017, 111, 646-654.	8.9	67
50	Lipid for biodiesel production from attached growth Chlorella vulgaris biomass cultivating in fluidized bed bioreactor packed with polyurethane foam material. Bioresource Technology, 2017, 239, 127-136.	9.6	49
51	Ionic liquids toxicity on fresh water microalgae, Scenedesmus quadricauda, Chlorella vulgaris & Botryococcus braunii; selection criterion for use in a two-phase partitioning bioreactor (TPPBR). Chemosphere, 2017, 184, 642-651.	8.2	30
52	Torrefaction of empty fruit bunches under biomass combustion gas atmosphere. Bioresource Technology, 2017, 243, 107-117.	9.6	76
53	Catalytic Consequences of Micropore Topology on Biomass Pyrolysis Vapors over Shape Selective Zeolites. Energy Procedia, 2017, 105, 557-561.	1.8	23
54	Fractionation of pyrolysis oil via supercritical carbon dioxide extraction: Optimization study using response surface methodology (RSM). Biomass and Bioenergy, 2017, 107, 155-163.	5.7	24

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55	Nano-catalysts for upgrading bio-oil: Catalytic decarboxylation and hydrodeoxygenation. AIP Conference Proceedings, 2017, , .	0.4	7
56	Choline chloride (ChCl) and monosodium glutamate (MSG)-based green solvents from optimized cactus malic acid for biomass delignification. Bioresource Technology, 2017, 244, 941-948.	9.6	27
57	Process simulation and techno economic analysis of renewable diesel production via catalytic decarboxylation of rubber seed oil â€“ A case study in Malaysia. Journal of Environmental Management, 2017, 203, 950-961.	7.8	37
58	Cultivation of Chlorella vulgaris using nutrients source from domestic wastewater for biodiesel production: Growth condition and kinetic studies. Renewable Energy, 2017, 103, 197-207.	8.9	115
59	Modifications of sugarcane bagasse-derived adsorbents to enhance the adsorption of microalgae biomass in easing harvesting process. AIP Conference Proceedings, 2017, , .	0.4	0
60	Catalytic Pyrolysis Of Botryococcus Braunii (microalgae) Over Layered and Delaminated Zeolites For Aromatic Hydrocarbon Production. Energy Procedia, 2017, 142, 381-385.	1.8	32
61	Viscosity of Vegetable Oils in Methyl Ethyl Ketone and Tetrahydrofuran. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 307-309.	0.2	1
62	Effects of Catalyst Concentration and Residence Time on Transesterification of Palm Oil with Methanol Using a 1.0 mm ID Millichannel Reactor. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 153-156.	0.2	0
63	Optimization of Biodiesel Production over Alkaline Modified Clay Catalyst. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 456-462.	0.2	14
64	Optimization on Pretreatment of Rubber Seed Oil Using Microwave-assisted Technique. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 314-318.	0.2	1
65	Effects of Temperature and Concentration of Oxygen on Torrefaction of Empty Fruit Bunches. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2016, 95, 1110-1114.	0.2	2
66	Transesterification of Mixture of Castor Oil and Sunflower Oil in Millichannel Reactor: FAME Yield and Flow Behaviour. Procedia Engineering, 2016, 148, 378-384.	1.2	19
67	Torrefaction of Empty Fruit Bunches in Inert Condition at Various Temperature and Time. Procedia Engineering, 2016, 148, 573-579.	1.2	22
68	Biodiesel Production from Palm Oil Using Micro Tube Reactors: Effects of Catalyst Concentration and Residence Time. Procedia Engineering, 2016, 148, 354-360.	1.2	28
69	Hydrodeoxygenation of Guaiacol over Al-MCM-41 Supported Metal Catalysts: A Comparative Study of Co and Ni. Procedia Engineering, 2016, 148, 1252-1258.	1.2	31
70	Supercritical Water Gasification on Three Types of Microalgae in the Presence and Absence of Catalyst and Salt. Procedia Engineering, 2016, 148, 594-599.	1.2	20
71	Cultivation of Chlorella vulgaris Using Plant-based and Animal Waste-based Compost: A Comparison Study. Procedia Engineering, 2016, 148, 679-686.	1.2	18
72	Activated Carbon from Rubber Wood Sawdust by Carbon Dioxide Activation. Procedia Engineering, 2016, 148, 530-537.	1.2	63

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73	Flocculation and mechanism of self-flocculating lipid producer microalga Scenedesmus quadricauda for biomass harvesting. Biomass and Bioenergy, 2016, 93, 38-42.	5.7	33
74	Torrefaction of Empty Fruit Bunch in the Presence of Combustion Gas. Procedia Engineering, 2016, 148, 750-757.	1.2	29
75	Nano-Structured Porous Yttria-Stabilized Zirconia Membrane for High-Temperature $${{m {CO}}_{2}}$$ CO 2 Capture from $${{m{H}}_{2}/{m {CO}}_{2}}$$ H 2 / CO 2 Mixture. Arabian Journal for Science and Engineering, 2016, 41, 4763-4774.	1.1	1
76	Enhanced enzymatic delignification of oil palm biomass with ionic liquid pretreatment. Biochemical Engineering Journal, 2016, 110, 1-7.	3.6	89
77	Microwave-assisted hydrothermal extraction of natural malic acid for the synthesis of low transition temperature mixtures. Journal of Cleaner Production, 2016, 113, 919-924.	9.3	13
78	Effect of ethanedioic acid functionalization on Ni/Al 2 O 3 catalytic hydrodeoxygenation and isomerization of octadec-9-enoic acid into biofuel: kinetics and Arrhenius parameters. Journal of Energy Chemistry, 2016, 25, 158-168.	12.9	25
79	Vapor-phase hydrodeoxygenation of guaiacol on Al-MCM-41 supported Ni and Co catalysts. Applied Catalysis A: General, 2016, 512, 93-100.	4.3	119
80	Catalytic supercritical water gasification of microalgae: Comparison of Chlorella vulgaris and Scenedesmus quadricauda. Journal of Supercritical Fluids, 2016, 107, 408-413.	3.2	52
81	Characterization of natural low transition temperature mixtures (LTTMs): Green solvents for biomass delignification. Bioresource Technology, 2016, 199, 258-264.	9.6	74
82	Production of Biodiesel from Rubber Seeds (Hevea Brasiliensis) by In situ Transesterification Method. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 763-768.	0.2	12
83	The Effect of Aeration Rate on the Growth of <i>Scenedesmus quadricauda</i> in Column Photobioreactor. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 177-180.	0.2	6
84	A study on torrefaction of Laminaria japonica. Fuel Processing Technology, 2015, 138, 133-138.	7.2	42
85	Production and Evaluation of Physicochemical Characteristics of Paddy Husk Bio-char for its C Sequestration Applications. Bioenergy Research, 2015, 8, 1800-1809.	3.9	18
86	Torrefaction of oil palm kernel shell in the presence of oxygen and carbon dioxide. Fuel, 2015, 144, 171-179.	6.4	90
87	Effect of precursor acidity on zeolite supported Pd catalyst properties and hydrodeoxygenation activity for the production of biofuel. Journal of Molecular Catalysis A, 2015, 400, 179-186.	4.8	14
88	Flocculation behavior and mechanism of bioflocculant produced by Aspergillus flavus. Journal of Environmental Management, 2015, 150, 466-471.	7.8	74
89	Kinetic study of the catalytic pyrolysis of paddy husk by use of thermogravimetric data and the Coatsâ€“Redfern model. Research on Chemical Intermediates, 2015, 41, 9743-9755.	2.7	50
90	Effect of process parameters on hydrothermal liquefaction of oil palm biomass for bio-oil production and its life cycle assessment. Energy Conversion and Management, 2015, 104, 180-188.	9.2	110

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91	In situ catalytic fast pyrolysis of paddy husk pyrolysis vapors over MCM-22 and ITQ-2 zeolites. Journal of Analytical and Applied Pyrolysis, 2015, 114, 32-39.	5.5	38
92	Fast pyrolysis of hardwood residues using a fixed bed drop-type pyrolyzer. Energy Conversion and Management, 2015, 98, 208-214.	9.2	46
93	Dissolution of cellulose with ionic liquid in pressurized cell. Journal of Molecular Liquids, 2015, 211, 370-372.	4.9	52
94	Process Evaluation for Torrefaction of Empty Fruit Bunch in Malaysia. Journal of the Japan Petroleum Institute, 2014, 57, 88-93.	0.6	6
95	Ethanol Production from Hydrothermal Pretreated Empty Fruit Bunches. Advanced Materials Research, 2014, 917, 80-86.	0.3	0
96	Studies on catalytic pyrolysis of empty fruit bunch (EFB) usingÂTaguchi's L9 Orthogonal Array. Journal of the Energy Institute, 2014, 87, 227-234.	5.3	35
97	Bio-oil production from oil palm biomass via subcritical and supercritical hydrothermal liquefaction. Journal of Supercritical Fluids, 2014, 95, 407-412.	3.2	105
98	Synthesis of Biodiesel from Palm Oil in Capillary Millichannel Reactor: Effect of Temperature, Methanol to Oil Molar Ratio, and KOH Concentration on FAME Yield. Procedia Chemistry, 2014, 9, 165-171.	0.7	30
99	Torrefaction in the Presence of Oxygen and Carbon Dioxide: The Effect on Yield of Oil Palm Kernel Shell. Procedia Chemistry, 2014, 9, 194-201.	0.7	40
100	Production of a bioflocculant from Aspergillus niger using palm oil mill effluent as carbon source. Bioresource Technology, 2014, 171, 66-70.	9.6	95
101	Application of Micro- or Small-Scale Biomass-Derived Fuel System for Power Generation. , 2014, , 339-367.		3
102	Catalytic pyrolysis of paddy husk in a drop type pyrolyzer for bio-oil production: The role of temperature and catalyst. Journal of Analytical and Applied Pyrolysis, 2014, 106, 57-62.	5.5	93
103	Syngas production from palm kernel shell and polyethylene waste blend in fluidized bed catalytic steam co-gasification process. Energy, 2014, 75, 40-44.	8.8	112
104	Effects of methanol-to-oil ratio, catalyst amount and reaction time on the FAME yield by in situ transesterification of rubber seeds (Hevea brasiliensis). , 2014, , .		0
105	Comparative Study of Hydrothermal Pretreatment of Eucalyptus and Oil Palm Empty Fruit Bunch for Ethanol Fermentation. Journal of the Japan Petroleum Institute, 2014, 57, 164-170.	0.6	2
106	Synthetic indicator on the severity of torrefaction of oil palm biomass residues through mass loss measurement. Applied Energy, 2013, 111, 821-826.	10.1	57
107	Effects of torrefaction on the physiochemical properties of oil palm empty fruit bunches, mesocarp fiber and kernel shell. Biomass and Bioenergy, 2013, 56, 351-360.	5.7	121
108	Pre-treatment of Malaysian Agricultural Wastes Toward Biofuel Production. Green Energy and Technology, 2013, , 393-416.	0.6	0

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109	Torrefaction of oil palm EFB in the presence of oxygen. Fuel, 2013, 103, 156-160.	6.4	130
110	Effect of Operating Conditions and Fractional Condensation on Pyrolytic Products. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2013, 92, 1014-1020.	0.2	6
111	Transesterification of Palm Oil in a Millichannel Reactor. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2013, 92, 905-908.	0.2	6
112	Mass and Energy Yields of Bio-oil Obtained by Microwave-induced Pyrolysis of Oil Palm Kernel Shell. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2012, 91, 954-959.	0.2	4
113	A Study on Torrefaction of Oil Palm Biomass. Journal of Applied Sciences, 2012, 12, 1130-1135.	0.3	30
114	Characterization of oil palm biomass as feed for torrefaction process. , 2011, , .		10
115	Torrefaction of oil palm wastes. Fuel, 2011, 90, 2585-2591.	6.4	209
116	The effect of coatings formed by low temperature tetramethoxysilane plasma treatment on water-vapor permeability of poly(L-lactic acid) film. Korean Journal of Chemical Engineering, 2006, 23, 144-147.	2.7	20
117	Dehydrogenation of Ethane and Hydrogenation of Carbon Dioxide in a Catalytic Membrane Reactor Using Copper-Plated LaNi5 as a Membrane Material. International Journal of Chemical Reactor Engineering, 2006, 4, .	1.1	0
118	Energy system based on hydrodynamic power in Yakushima Island. Renewable Energy, 2004, 29, 1-11.	8.9	5
119	Potential of renewable energy sources and its applications in Yakushima Island. Renewable Energy, 2004, 29, 581-591.	8.9	25
120	Hot-compressed-water decomposed products from bamboo manifest a selective cytotoxicity against acute lymphoblastic leukemia cells. Toxicology in Vitro, 2004, 18, 765-771.	2.4	58
121	Electroselective Permeability Control of Microcapsule Immobilized Ferroelectric Liquid Crystals in an External Electrical Field. Journal of Chemical Engineering of Japan, 2004, 37, 592-596.	0.6	2
122	Formation of Lead-Free Sealing Glasses in the Quaternary System V2O5-ZnO-BaO-TeO2. Kagaku Kogaku Ronbunshu, 2004, 30, 233-239.	0.3	9
123	Catalytic Decomposition of Lower Hydrocarbons to Hydrogen and Carbon in a Spouted Bed of Nickel-plated Alumina Balls. Kagaku Kogaku Ronbunshu, 2004, 30, 292-297.	0.3	0
124	Catalytic decomposition of hydrocarbon into hydrogen and carbon in a spouted-bed reactor as the second-stage reactor of a plastic recycling process. Journal of Material Cycles and Waste Management, 2003, 5, 94-97.	3.0	10
125	Structural control of core/shell polystyrene microcapsule-immobilized microbial cells and their application to polymeric microbioreactors. Journal of Applied Polymer Science, 2003, 89, 1966-1975.	2.6	17
126	Mono-core Coating of Fine Particles with Finer Particles by Means of a Draft-Tube Spouted-Bed with Medium Particles. Journal of Chemical Engineering of Japan, 2003, 36, 1282-1287.	0.6	2

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127	Formation of Carbon and Hydrogen from Lower Hydrocarbons in a Packed Bed of Nickel-plated Alumina Balls.. Journal of Chemical Engineering of Japan, 2003, 36, 578-585.	0.6	3
128	Performance Characteristics of Hydrogen Peroxide Sensor Using Immobilized Manganese Dioxide Membrane.. Kagaku Kogaku Ronbunshu, 2003, 29, 843-846.	0.3	0
129	Electro-Sensitive Microcapsule Immobilized Ferroelectric Liquid Crystal.. Journal of Chemical Engineering of Japan, 2002, 35, 398-400.	0.6	6
130	Development of Thermal Heat Storage Material Utilizing Fatty Acids as Solid-Liquid Phase Change Materials.. Kagaku Kogaku Ronbunshu, 2002, 28, 451-455.	0.3	7
131	Flash-Pyrolyzed Product Distribution of Major Plastics in a Batch Reactor.. Journal of Chemical Engineering of Japan, 2001, 34, 1293-1299.	0.6	23
132	Electrooptical-responsive microsphere with ferroelectric liquid crystalline segments. Journal of Applied Polymer Science, 2001, 81, 2490-2499.	2.6	5
133	PREPARATION OF MICROSPHERES WITH LIQUID CRYSTAL RESPONSES. Chemical Engineering Communications, 2001, 185, 183-199.	2.6	3
134	Association Behavior of Singly Chain-End Hydrophobically-Modified Poly(vinyl alcohol) in Aqueous Solution.. Journal of Chemical Engineering of Japan, 2001, 34, 1211-1217.	0.6	3
135	Preparation of Calcium Alginate Micro-Gel Beads Using a Rotating Nozzle.. Kagaku Kogaku Ronbunshu, 2001, 27, 648-651.	0.3	1
136	Preparation of Side-chain Liquid Crystalline Polymer Microspheres.. Kagaku Kogaku Ronbunshu, 2000, 26, 450-456.	0.3	0
137	Hydrogen Peroxide Sensor Using Immobilized Maganese Dioxide Membrane.. Kagaku Kogaku Ronbunshu, 2000, 26, 108-111.	0.3	1
138	Decomposition Behavior of Plant Biomass in Hot-Compressed Water. Industrial & Engineering Chemistry Research, 2000, 39, 3688-3693.	3.7	196
139	Coating of Particles with Finer Particles Using a Draft-Tube Spouted-Bed.. Journal of Chemical Engineering of Japan, 2000, 33, 526-528.	0.6	5
140	Continous Denitrification of Water Ussing a Fixed Bed Bioreactor.. Japanese Journal of Water Treatment Biology, 2000, 36, 25-31.	0.1	0
141	Inorganic microballoon production from shinju-gan using an entrained bed reactor. Korean Journal of Chemical Engineering, 1999, 16, 837-839.	2.7	0
142	Effects of Operating Conditions on Etch Rate and Factor of 42 Alloy with a Fine-Slit Resist Pattern.. Kagaku Kogaku Ronbunshu, 1999, 25, 898-903.	0.3	0
143	Characteristics of Flow Behavior in Semi-Cylindrical Spouted Bed with Draft Tube.. Journal of Chemical Engineering of Japan, 1998, 31, 677-682.	0.6	16
144	Wet Etching Rate of Nickel/Iron Alloy.. Kagaku Kogaku Ronbunshu, 1998, 24, 152-154.	0.3	1

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145	Conveying Characteristics Of Fine Particles Using Converging Nozzle.. Kagaku Kogaku Ronbunshu, 1998, 24, 365-369.	0.3	4
146	Effects of Operational Conditions on Characteristics of Spray Etching.. Kagaku Kogaku Ronbunshu, 1998, 24, 397-401.	0.3	1
147	Application of High-Velocity Fluidized Bed Reactorfor Producing Hollow Inorganic Microspheres from Volcanic Glass Particles.. Journal of Chemical Engineering of Japan, 1998, 31, 298-301.	0.6	4
148	Vapor-Liquid Equilibria of a Minute Amount of Furfural in Water-Ethanol-1-Propanol System.. Journal of Chemical Engineering of Japan, 1997, 30, 539-544.	0.6	1
149	Vapor-Liquid Equilibria of a Minute Amount of Furfural in Water-Methanol-Ethanol System.. Kagaku Kogaku Ronbunshu, 1997, 23, 114-120.	0.3	1
150	Removal of Minute Amount of Furfural in Ethanol Aqueous Solution by Use of Batch-Rectification.. Kagaku Kogaku Ronbunshu, 1997, 23, 324-326.	0.3	0
151	Vapor-Liquid Equilibria of Minute Amounts of .BETA.-Phenethyl Alcohol, .BETA.-Phenethyl Acetate and Ethyl Esters of Low Fatty Acids in Ethyl Alcohol Aqueous Solution.. Kagaku Kogaku Ronbunshu, 1997, 23, 428-432.	0.3	1
152	Triboelectric Charge Control of Polymer Microspheres by Low Temperature Plasma Treatments.. Kagaku Kogaku Ronbunshu, 1997, 23, 578-582.	0.3	3
153	Preparation of monodispersed polymeric microspheres for toner particles by the shirasu porous glass membrane emulsification technique. Journal of Applied Polymer Science, 1997, 64, 1107-1113.	2.6	31
154	NMR Diffusion and Relaxation Time Studies of HEUR Associating Polymer Binding to Polystyrene Latex. Macromolecules, 1996, 29, 63-69.	4.8	35
155	Process Systems Engineering. Catalytic Coal Gasification Using a Draft Tube Spouted Bed Gasifier.. Kagaku Kogaku Ronbunshu, 1996, 22, 1180-1184.	0.3	7
156	Process Systems Engineering. Vapor-Liquid Equilibria of a Minute Amount of Glycerin and Diols in Aqueous Ethanol Solution.. Kagaku Kogaku Ronbunshu, 1996, 22, 1230-1233.	0.3	0
157	Test on Efficiency of Batch Rectification Apparatus for Shochu Production. Distillation Behavior of Flavor Components in Aqueous Ethanol Solution.. Kagaku Kogaku Ronbunshu, 1996, 22, 1318-1325.	0.3	0
158	Novel Procedure for Monodispersed Polymeric Microspheres with High Electrifying Additive Content by Particle-Shrinking Method Via SPG Membrane Emulsification.. Journal of Chemical Engineering of Japan, 1996, 29, 1027-1029.	0.6	14
159	Preparation of Double-Layer Microcapsules Coated by a Synthesized Lipid and Their Controlled Release.. Kagaku Kogaku Ronbunshu, 1996, 22, 923-926.	0.3	2
160	Vapor-liquid equilibria of minute amounts of N-methylsuccinimide and water in N-methyl-2-pyrrolidone.. Journal of Chemical Engineering of Japan, 1996, 29, 371-372.	0.6	0
161	Permeability control of active agent from polymeric microcapsules by coating of gelatin/gum arabic membrane.. Journal of Chemical Engineering of Japan, 1996, 29, 379-381.	0.6	6
162	Preparation of GPC Packed Polymer Beads by a SPG Membrane Emulsifier.. Journal of Chemical Engineering of Japan, 1995, 28, 656-659.	0.6	28

#	Article	IF	Citations
163	Preparation of divinylbenzene homopolymeric microcapsules with highly porous membranes by in situ polymerization with solvent evaporation.. Journal of Chemical Engineering of Japan, 1995, 28, 78-84.	0.6	27
164	pH-sensitive release from poly(Acrylamide-CO-N,N'-methylene bisacrylamide) microspheres.. Journal of Chemical Engineering of Japan, 1995, 28, 46-52.	0.6	6
165	STRIPPING RATE OF PROPIONIC ACID FROM STYRENE-DIVINYLBENZENE COPOLYMERIC MICROCAPSULES WITH TRI-W-OCTYL AMINE AS CORE MATERIAL. Solvent Extraction and Ion Exchange, 1995, 13, 333-351.	2.0	7
166	Self-Diffusion Coefficients of Hydrophobic Ethoxylated Urethane Associating Polymers Using Pulsed-Gradient Spin-Echo Nuclear Magnetic Resonance. Macromolecules, 1995, 28, 531-538.	4.8	72
167	Controlled release of styrene-divinylbenzene copolymer microcapsules by phase transformation of encapsulated stearic acid.. Journal of Chemical Engineering of Japan, 1994, 27, 479-484.	0.6	10
168	Electrostatic Characterization of Polymeric Microspheres Containing Electrifying Additives.. Journal of Chemical Engineering of Japan, 1994, 27, 577-581.	0.6	1
169	Electrostatic Properties of Poly(Styrene-co-Ddivinylbenzene) Microspheres with Different Surface Morphologies. Journal of Chemical Engineering of Japan, 1994, 27, 582-584.	0.6	0
170	Oxidative Dehydrogenation of Cyclohexane Using Carbon Dioxide as an Oxidizing Agent.. Kagaku Kogaku Ronbunshu, 1994, 20, 219-224.	0.3	1
171	Fossil Energy. Development of a Spouted Bed-Type Coal Gasifier with Cycling Thermal Medium Particles.. Kagaku Kogaku Ronbunshu, 1994, 20, 758-765.	0.3	6
172	Preparation and extraction properties of microcapsules containing tri-n-octyl amine as core material.. Journal of Chemical Engineering of Japan, 1993, 26, 198-204.	0.6	26
173	Effect of Fine Particles on Behavior of Bubbles in Gas-Solid Fluidized Bed at Elevated Temperature.. Kagaku Kogaku Ronbunshu, 1993, 19, 1143-1148.	0.3	2
174	Regeneration of Styrene-divinylbenzene Copolymer Microcapsules Containing Tri-n-octyl Amine.. Journal of Chemical Engineering of Japan, 1993, 26, 692-697.	0.6	7
175	Encapsulation of hydrogen storage alloy by polymer.. Journal of Chemical Engineering of Japan, 1991, 24, 377-381.	0.6	12
176	EFFECT OF DISTRIBUTOR ON BUBBLE SIZE AND BUBBLE RISE VELOCITY IN THE SLUGGING REGIME OF A SEMI-CYLINDRICAL GAS-SOLID FLUIDIZED BEDâ€. Chemical Engineering Communications, 1991, 101, 39-44.	2.6	7
177	Heat transfer coefficient in three-phase vertical downflows of gas-liquid-fine solid particles system.. Journal of Chemical Engineering of Japan, 1990, 23, 370-372.	0.6	0
178	Effect of bed temperature on bubble size and bubble rising velocity in a semi-cylindrical slugging fluidized bed.. Journal of Chemical Engineering of Japan, 1990, 23, 765-767.	0.6	4
179	Electrostatic property of polymer microspheres prepared by suspension polymerization.. Kagaku Kogaku Ronbunshu, 1990, 16, 219-226.	0.3	5
180	Effect of nickel concentration profile on selectivity of acetylene hydrogenation.. Journal of Chemical Engineering of Japan, 1989, 22, 287-291.	0.6	8

#	Article	IF	Citations
181	Characterization of supported nickel catalysts prepared by deposition of nickel chloride vapor on alumina.. Journal of Chemical Engineering of Japan, 1989, 22, 48-54.	0.6	6
182	Reactivity of supported nickel catalysts prepared by gas phase methods.. Sekiyu Gakkaishi (Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
183	Formation of nickel concentration profile in nickel/alumina catalyst during post-impregnation drying.. Journal of Chemical Engineering of Japan, 1987, 20, 117-123.	0.6	9
184	Effects of nickel source material on characteristics of nickel/alumina impregnated catalysts.. Journal of Chemical Engineering of Japan, 1987, 20, 563-568.	0.6	5
185	Characterization of nickel-alumina catalysts impregnated in alcohol solution.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1987, 30, 53-58.	0.1	3
186	Effects of post-impregnation drying conditions on physical properties and overall reaction rate of nickel/alumina catalysts.. Journal of Chemical Engineering of Japan, 1986, 19, 560-567.	0.6	2
187	Effects of preparation variables on characteristics of nickel impregnated alumina catalysts with low nickel contents.. Sekiyu Gakkaishi (Journal of the Japan Petroleum Institute), 1986, 29, 143-150.	0.1	4
188	Estimation of bubble-to-liquid mass transfer rate coefficient by transient response technique and by steady state reaction studies.. Journal of Chemical Engineering of Japan, 1978, 11, 465-469.	0.6	5
189	Bio-Oil Derived from Palm Kernel Shell in Fluidized Bed Reactor: Effect of Particle Size. Advanced Materials Research, 0, 917, 63-71.	0.3	1
190	Bio-Oil Production under Sub- and Supercritical Hydrothermal Liquefaction of Oil Palm Empty Fruit Bunch and Kernel Shell. Applied Mechanics and Materials, 0, 625, 881-884.	0.2	1
191	Review on Pyrolysis of Hardwood Residue to Biofuel. Applied Mechanics and Materials, 0, 625, 714-717.	0.2	3
192	Fast Pyrolysis of Oil Palm Kernel Shell in a Fluidized Bed Reactor: The Effect of Pyrolysis Temperature on the Yields of Pyrolysis Products. Applied Mechanics and Materials, 0, 625, 616-619.	0.2	3
193	Physiochemical Properties of Pyrolysis Oil Derived from Fast Pyrolysis of Wet and Dried Rice Husk in a Free Fall Reactor. Applied Mechanics and Materials, 0, 625, 604-607.	0.2	7
194	Fast Pyrolysis of Oil Palm Kernel Shell in a Fluidized Bed Reactor: The Effect of Biomass Size on the Yields of Pyrolysis Products. Applied Mechanics and Materials, 0, 625, 608-611.	0.2	1
195	A Review of Bio-Oil Upgrading by Catalytic Hydrodeoxygenation. Applied Mechanics and Materials, 0, 625, 255-258.	0.2	26